Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 136 AUGUST 14, 1939 Number 7

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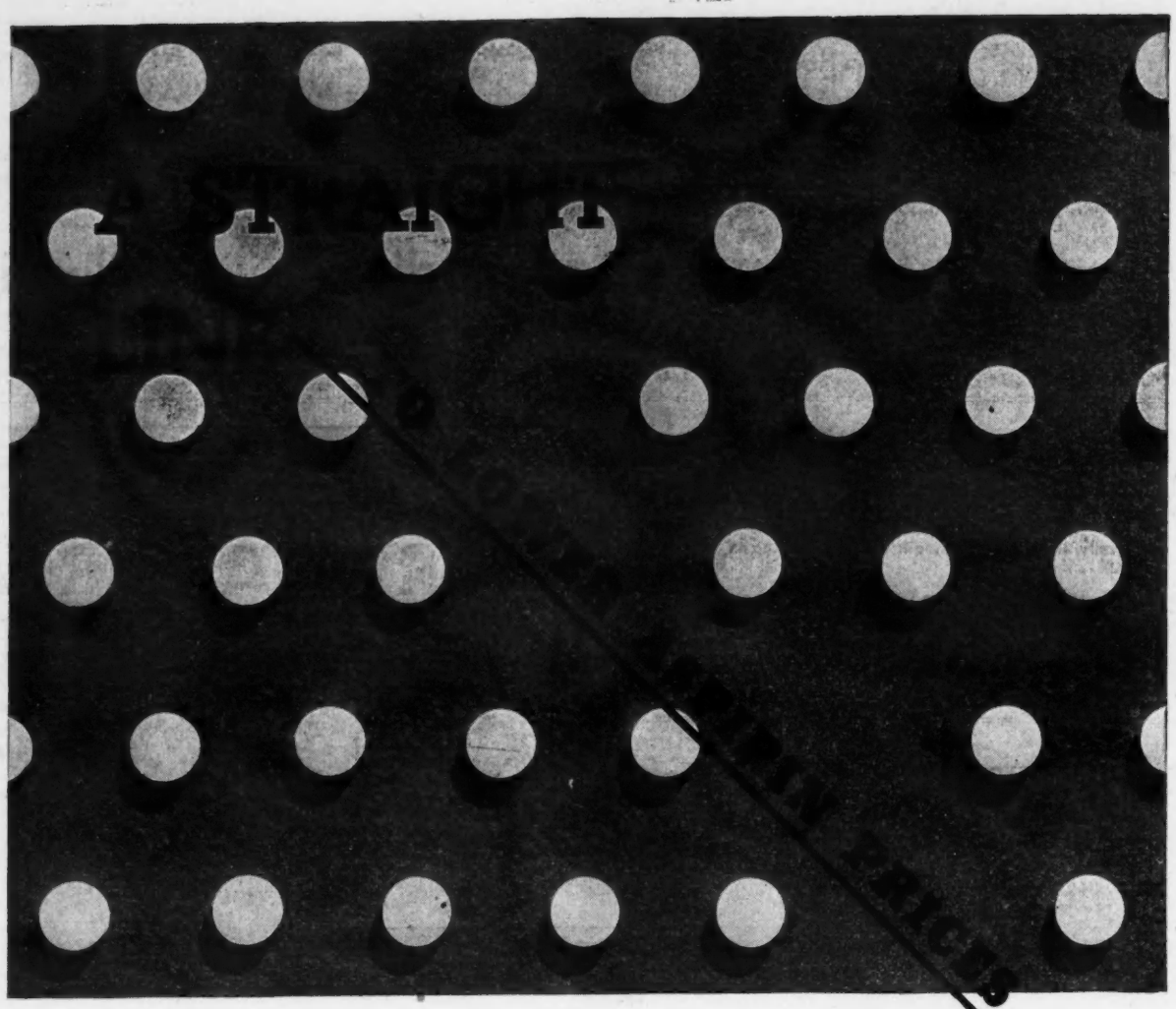

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Business Gain in July Reported by Hopkins

OPD Washington Bureau
August 8, 1939

Business made further progress during July in a continuation of the recovery movement initiated in May, Secretary of Commerce Hopkins reported today. Activity was well ahead of a year ago in all major lines.

Business volumes on a seasonally corrected basis were materially above the average for the second quarter, according to current data available to the Department of Commerce, Secretary Hopkins said. The general pattern of July business was one of resistance to the normal midsummer slackening. However, in a number of lines there was expansion last month. Construction operations were at a seasonal peak, and activity in this major industry was even higher than in the Summer of 1937. Steel production, which usually declines in July, moved forward to 60 percent of capacity by the monthend.

Prospects for third quarter business have improved with recent develop-

—Continued on page 28

War Materials Appropriation Voted

OPD Washington Bureau
August 7, 1939

An appropriation of $10,000,000 for purchases of strategic and critical materials essential to the national defense for storage by the army and navy was contained in the final deficiency appropriation bill passed by Congress on the last day of the session.

Legislation passed earlier in the session authorized expenditure of $100,000,000 during the next four years for this program, and $25,000,000 for the current fiscal year was approved by the budget bureau. The house committee on appropriaitons reduced this to $10,000,000 because of a feeling that, if the purchase program starts slowly, it will permit the development of domestic sources of supply of many of the articles now obtained almost entirely from abroad. The bill also carried appropri-

—Continued on page 25

War Resources Board Formed

OPD Washington Bureau
August 9, 1939

Formation of a civilian advisory committee to the Army and Navy Munitions Board, to be known as the War Resources Board, has been approved by President Roosevelt. The duties of the new committee consist of conferring with the Army and Navy Munitions Board on policies pertaining to the mobilization of the economic resources of the country in event of a war emergency and in reviewing and perfecting the plans already under preparation by that agency.

In an emergency the War Resources Board, it was explained, would become an executive agency of the government with broad powers similar to those of the old War Industries Board. In this event, the board would report directly to the President as a War Resources Administration.

Though the membership of the board is not yet complete, the following have been appointed:—Chairman, Edward R. Stettinius, jr., chairman of the board of the United States Steel Corporation; Earlton Compton, president of the Massachusetts Institute of Technology; Walter S. Gifford, president of the American Telegraph & Telephone Company; Harold G. Moulton, president of the Brookings Institution; John Lee Pratt, a director of the General Motors Corporation; General Robert E. Wood, chairman of Sears Roebuck & Co. Colonel Harry K. Rutherford, of the U. S. Army, has been designated secretary to the board.

Delivered Price Limit Proposed

OPD Washington Bureau
August 7, 1939

A bill to regulate the sale of goods at delivered prices was introduced in the senate by Senator Henrik Shipstead, of Minnesota, during the closing days of the session.

The bill (S. 2836) would amend the Federal Trade Commission act to make it an unfair act in commerce to fix the price of an article at the point of destination at a figure including more than the actual cost of transportation incurred. It would also require a person selling at a delivered price to furnish the buyer an invoice showing the components of the price, including charges for transportation, handling, service, taxes, and other items of the gross selling price.

Soviet Trade Pact Extended to 1940

OPD Washington Bureau
August 7, 1939

The Department of State announced Saturday a renewal of the commercial agreement with the Union of Soviet Socialist Republics until August 5, 1940, the fifth successive renewal of this agreement.

Under the agreement the United States grants Soviet imports most-favored-nation treatment, including reduced tariff rates made in reciprocal trade agreements with other countries. The Soviet government agrees to purchase American goods to the value of at least $40,000,000 during the coming year.

Patent Pool Ban Urged

OPD Washington Bureau
August 7, 1939

A bill (H.R. 7192) to prevent patent pooling was introduced in the house during the closing days of the session by Representative James H. Fay, of New York. The bill provides that, whenever two or more owners of patents bring their interests into a single control whereby industry or trade are dominated, a competitor may sue in Federal courts and be granted a nontransferable license to any or all of the patents.

Drug Law Color Regulations To Ease Household Sales

OPD Washington Bureau
August 10, 1939

Amendments to its regulations for certification of coaltar colors have been proposed by the Food and Drug Administration in order to ease the requirements regarding small packages for household use.

In a letter to coaltar color manufacturers, W. G. Campbell, chief of the administration, has listed suggested amendments and asked for comments before a formal hearing is set for the purpose of revising the regulations. Mr. Campbell declared that suggestions from the trade for a bonding procedure would not be legally possible under the present law, but found that a number of suggested changes could be made.

The proposed amendments would reduce the fees for certification of small lots; permit the use of a preservative; permit the lot number to be stated in the invoice instead of on the label; and permit the pure-dye content to be stated as a minimum.

F.D.A. Proposals

Mr. Campbell's letter is as follows:—

The Food and Drug Administration has had extensive correspondence and numerous conferences with trade associations and individual manufacturers of coaltar colors concerning the requirements of the regulations promulgated on May 5, 1939, for the listing and certification of coaltar colors for use in foods, drugs, and cosmetics.

It has been asserted that the fees for certification will prevent many firms from continuing the sale of mixtures for household use and of small lots of straight colors or mixtures for use in the manufacture of foods, drugs, and cosmetics.

The requirement that the lot number of each certified batch be stated on the label of small retail packages of household colors has been characterized as unduly burdensome.

It is stated that aqueous solutions and pastes of colors will not keep without a preservative and that provision should be made specifically to authorize the use of sodium benzoate.

Several manufacturers have protested that the label declaration of pure-dye content in the exact terms stated in the certificate unduly delays the distribution of the color.

Many suggested changes in the regulations have been received from the industry. A number of these involve provision for the posting of a bond which would be liable to forfeiture if the act or regulations were violated. This plan contem-

—Continued on page 41

Antidumping Duty Based On U.S. Cost Proposed

OPD Washington Bureau
August 7, 1939

A bill to create an entirely new antidumping system was introduced in the house during the closing days of the session by Representative Martin F. Smith of Washington.

The bill (H.R. 7312) would repeal most of the present antidumping law, which imposes penalties on imports sold below foreign selling price or cost of production. Instead, dumping would be defined as the importation of goods at less than the cost of production of comparable goods in the United States, whether free or dutiable, if the domestic industry produces at least 10 percent of the domestic demand. The Bureau of Customs and the Tariff Commission would jointly determine cost of production, which the bill states should include usual general expenses of at least 10 percent and a profit of at least 8 percent. The dumping duty would be the difference between domestic cost of production and the offering price of imports in the United States.

Mercer Prizes Awarded

The senior and junior Mercer awards, representing approximately a semester's scholarship in Oberlin College, Cleveland, sponsored each year by Colonel A. L. Mercer, president of the Cowles Detergent Company, Cleveland, have been given respectively to Edwin Martin for an essay on "The Anglo-American Trade Agreement," and Richard Hirshberg whose essay was on "Exchange Stabilization Funds."

I.C.C. Examiner Urges Control Of Private Truck Carriers

OPD Washington Bureau
August 7, 1939

A finding that public safety requires the establishment of regulations of private carriers by motor truck has been recommended to the Interstate Commerce Commission by Examiner R. W. Snow, who held hearings in the commission's investigation of this subject (ex parte MC-3).

The examiner recommended that the same regulations for qualifications of maximum hours of drivers and safety of operation and standards of equipment for motor vehicles which the commission has already prescribed for common and contract carriers should also be applied to privately owned trucks in interstate commerce. The only exceptions he recommended were that work trucks, such as those operated by public utilities, be exempt from the requirement that drivers keep a log of stops, and that trucks owned and operated by farmers in connection with farming operations be exempted in the following particulars:—Drivers may be less than twenty-one years of age but not less than eighteen; medical examinations need not be required for drivers; passengers could be transported on farm trucks; on-duty hours for drivers of farm trucks should be a maximum of fifty hours a week.

The examiner stated that at the extensive hearings in various parts of the country most of the witnesses discussed solely the need for regulation of private trucks and very few made suggestions as to the application of the common and contract carrier regulations. He therefore found no reason for not applying these regulations to private carriers except in the cases noted.

He specifically recommended against exemptions for driver-salesmen requested by the baking and several other industries. It is expected that the commission will hold an oral argument before issuing an order as to private trucks.

Lard Export Subsidy Expected by Fall

OPD Washington Bureau
August 10, 1939

Discussion of ways and means of reducing the large surplus of lard and cottonseed oil which is expected this Fall is continuing among government officials and members of Congress from corn and cotton States.

The announcement of the Department of Agriculture that lard and cottonseed shortenings will be placed under the food stamp plan, by which persons of low income may obtain surplus foods at low prices, is expected to be of considerable assistance in increasing domestic consumption of shortenings. Efforts are still being made to stimulate exports, and it is expected that by Fall the department may announce an outright export subsidy on lard and possibly also on cottonseed oil.

Members of Congress and representatives of the trade are pressing the administration for approval of some sort of barter arrangement with Germany, which is said to be ready to absorb large quantities of shortenings if German goods are taken in exchange. It is understood that a number of private merchandizing concerns in the United States are willing to take various German commodities for sale in this country in exchange for exports of lard, provided the administration does not object and no antidumping or countervailing duties are imposed. Lists of German export commodities on the United States free list have been prepared to show the nature of possible German imports which might be involved in a barter deal. Officials of the Treasury Department and the Department of State have expressed sympathy with the plan but as yet there has been no definite decision.

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Closing Market Developments

Cottonseed Oil Easier

Refined cottonseed oil was easier on Friday in company with lard. Local traders and commission houses liquidated. Trade interests were credited with purchases of the winter months. September closed at 5.36c. and December 5.57c., these prices showing a decline of about 30 to 35 points as compared with the closing quotations of the previous week.

Vermilion Price Unchanged

Despite the sharp reduction in the price of quicksilver last week, the quotation for English vermilion continued unchanged late Friday. Major suppliers of the color indicated that if the metal market holds the new low price, vermilion will be reduced early this week.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Medicinals:—A Latvian law provides that only licensed pharmacies may handle medicinal preparations, with such shops being operated only by approved specialists. Henceforth chemists shops, some of which now deal in medicine and drugs, will have to confine their trade to cosmetics and articles other than medicinals.

Parcel Post:—The weight limit of parcel-post packages exchanged with Liberia has been increased from 11 to 22 pounds.

Quinine Salts:—Costa Rica has exempted from duty quinine and its salts, in pure form, as well as in ordinary pills, pearls, capsules or pastilles.

Sales Tax Revised:—The sales tax on domestic or imported merchandise in the Philippine Islands, heretofore collected at a rate of 1½ percent ad valorem on each transaction, has been revised and is now collected on the original sale or exchange on a lump-sum basis, one only, at rates of 3½ percent, 5 percent, or 10 percent ad valorem, according to the kind of merchandise.

Soap:—Eire has revoked the import quota restrictions on soap, soap powders, and soap substitutes.

Medical Care Bill To Be Revised

OPD Washington Bureau
August 7, 1939

A preliminary report on the Wagner health bill (S. 1620) was filed in the senate on the closing day of the session by the committee on education and labor.

The report (Senate Report 1139) states that the committee intends to report an amended bill to the senate after further consideration in the next session. The bill was proposed by the administration as an outgrowth of President Roosevelt's national conference on public health in 1938, and proposes an elaborate system of Federal aid to States in maintaining medical care for persons of low income, modeled somewhat on the social security system.

The report discusses at considerable length the need for augmented public health services, statements of witnesses at hearings on the measure, and the general outlines of the bill. It is stated that many problems have arisen as to details and that witnesses have promised to submit further recommendations on these points when consideration of the bill is resumed next year.

Ryder Is Vice-Chairman Of Tariff Commission

OPD Washington Bureau
August 10, 1939

President Roosevelt has named Commissioner Oscar B. Ryder as vice-chairman of the United States Tariff Commission to fill the vacancy left by the resignation August 7 of Henry F. Grady to accept the position of Assistant Secretary of State. Mr. Ryder is a Democrat from Virginia and was first appointed as a member of the Tariff Commission in June, 1934. In June, this year, he was renamed for a new term of six years expiring June 16, 1945.

Chemical Prices Weaker

There was a slight show of weakness of prices as a whole in the markets for heavy and fine chemicals last week. Changes were relatively few. Quicksilver was again on the down side. Zinc and silver were put up.

Trade activity was steady, but not large. The closing of Congress and of the automobile strike brought a better sentiment. Seasonal developments were not substantial.

Prices were advanced on zinc, zinc dust, silver, nitrate of silver, cadmium, domestic and Argentine casein, ground and leaf sumac, gum turpentine, and feeding tankage locally.

Prices were reduced on domestic quicksilver, imported crude naphthalene, menthol, J1 and J2 myrobalans, and gum rosin.

The REPORTER'S composite index number of prices for heavy and fine chemicals was pared but not appreciably reduced from 125.3 (100 = average at August 1, 1914). In comparison with average price in 1926 (as 100), the REPORTER'S index number is now 88.7, compared with 89.1 at this time last year and 90.0 in 1937.

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Tung Oil Ass'n Elects Officers and Directors

At the annual meeting of the American Tung Oil Association, held recently in the San Carlos hotel, Pensacola, Fla., J. B. Wight, of Cairo, Ga., was elected president of the association. He succeeds J. C. Adderly, of

J. W. Turner

Pensacola, president of the organization since its inception in 1934.

J. W. Turner, jr., Jackson, Miss., was elected executive secretary-treasurer. Vice-presidents elected were:—B. A. Steinhagen, Beaumont, Tex.; D. T. Cushings, Bogalusa, La.; C. R. Baldwin, Silver Hill, Ala.; and Earl Wallia, Valparaiso, Fla. In addition to vice-presidents and executive-secretary, the directorate consists of J. H. Reidemann, Citronelle, Ala.; U. B. Parker, Viggins, Miss.; H. L. Lee, Houston, Tex., and J. W. Keen, Covington, Ky.

'Hot Oil' Indictments Returned in Louisiana

New Orleans, Aug. 7, 1939

Indictments for conspiracy to violate the Connally "hot oil" act were returned today by a Federal grand jury against former Governor W. Leche and Seymour Weiss, one-time financial adviser to the late Senator Huey Long. Also indicted were Freeman Burford, Dallas, Tex., and the East Texas Oil Refining Company. A second indictment returned by the jury charged Mr. Weiss and Louis C. Lesage, formerly of the Standard Oil Company, with tax evasion.

The indictments were the outgrowth of the charge by the Federal government that in March, 1936, Governor Leche met with Mr. Weiss and others in order to arrange a deal whereby the output of thirteen oil wells in the Rodessa field, near Shreveport, would be stepped up from 5,000 to 20,000 bar-

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Copyrighting of Prints Transferred by Congress

OPD Washington Bureau
August 7, 1939

A bill was sent to the White House on the last day of the session of Congress transferring to the Register of Copyrights jurisdiction over commercial prints and labels which has been handled by the United States Patent Office since 1874.

The bill (H.R. 1553) corrects an anomaly which has caused confusion for many years in the copyrighting of labels, cartons, and single-page advertisements or commercial prints. When these articles were admitted to copyright in 1874 there was not room for this work in the copyright office of the Library of Congress which was then in the Capitol building, so Congress directed that these particular articles be copyrighted by the Commissioner of Patents. This has caused a great deal of confusion among persons seeking copyrights; has caused some litigation because of improper registration; and has placed unnecessary work on the two offices in informing applicants of the split jurisdiction and the differences of procedure of the two offices.

Dust Control Warning Issued by Perkins

OPD Washington Bureau
August 9, 1939

A warning against the suspension of approved practices of ventilation as a preventive of dust disease, or silicosis, was issued today by Secretary of Labor Frances Perkins, who said that, while experiments recently conducted, using aluminum dust as a preventive or cure of silicosis were encouraging, "it is imperative that this should in no way interfere with the application of approved engineering methods of dust control."

Because of recent widespread publicity on the use of aluminum dust in experiments by Canadian scientists, Secretary Perkins had Dr. E. J. Stieglitz, of the Department of Labor staff, confer with Canadian authorities. On the basis of his observations she said:—

The Canadian authorities, while confident that they are on the right track in developing aluminum dust prophylaxis, at the same time warn against undue reliance upon this medium for complete protection of workers. The report made of Canadian experiments by Dr. Stieglitz contains information of the greatest importance to workers exposed to silicosis and to management having the responsibility for controlling this dust hazard. It is pointed out that there is no intent or even hope that this method will be a substitute for the engineering control measures developed and applied in recent years.

In the experiments carried on in the department of medical research of the University of Toronto it has been found that metallic aluminum dust does most completely prevent the solution of silica by coating the particles of silica with aluminum. Apparently the lungs of the experimental animals were protected from the progressive injurious effects of the dust. Up to this time no observations have been made on human silicosis sufferers, but such clinical studies are planned. This data, however, will be insufficient to warrant any conclusions before another three to five years have elapsed.

The Department of Labor has made a study of silicosis prevention, and recently issued a booklet "Dust Control in Foundries."

Alka-Seltzer Claims Shorn by F.T.C. Pact

OPD Washington Bureau
August 7, 1939

Miles Laboratories, Inc., Elkhart, Ind., has entered into a stipulation with the Federal Trade Commission to discontinue misleading representations in the sale and distribution of "Alka-Seltzer."

The respondent company agreed to cease the use of advertising matter implying that colds, neuralgia, distress after meals, and "common everyday ailments" result from excess acidity of the blood, an acid condition of the blood, or deficient alkaline reserve of the blood, and that the alkalinizing effect of "Alka-Seltzer," by correcting such acid condition or restoring the alkaline reserve, will be a proper treatment for the ailments mentioned.

The respondent further agreed to discontinue representations implying that headaches, upset stomach, and aches and pains result from, or are associated

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Dr. Bosch Awarded Goethe Prize

Dr. Carl Bosch, chairman of the board of the I. G. Farbenindustrie A.G., one of the world's largest chemical enterprises, has been awarded the Goethe prize for "artistic and scientific achievement," according to advices received from Frankfort-on-the-Main, Germany. Dr. Bosch was a recipient of the Nobel prize for chemistry in 1931.

Dr. Bosch, who is sixty-four years of age, built the huge Leuna and Oppau works, where, through application of the Haber method, ammonia is produced through the synthesis of nitrogen and hydrogen. As Professor Haber's collaborator, he designed the highly intricate mechanism for industrial production of ammonia out of air at temperatures af around 400 degrees Centigrade under a pressure of 200 atmospheres.

The huge Leuna works, which is one of the I.G's plants, virtually saved German agriculture during the World War by producing cheap fertilizer. As the plant operates without raw materials except fresh air, it is today one of the chief assets of German industry.

Paint Container Costs Boosted by Regulations

Chicago, Aug. 7, 1939

Inspired by the report on the excessive cost of distribution, made by a special committee of the Twentieth Century Fund, E. A. Leveille, chairman of the traffic committee of the National Paint, Varnish and Lacquer Association, comments on the excessive item in the cost of the paint industry which represents the expense of meeting, to him, unnecessarily rigid restrictions proposed in marine transportation regulations in respect of metal containers for inflammable materials, Mr. Leveille says:—

There are many ways of increasing costs, aside from those direct measures with which the paint and varnish industry has to contend; specifically, accidental "Regulation" costs. If you are using a $2.50 drum, and a new regulation prescribes a $6 drum, your drum expense is increased $3.50 each; or if you are now using a second-hand drum with satisfaction, and its use is prohibited in favor of the new drum, your $1 package will cost you $2.50. This is substantially the result that will follow the recodification of marine transporation regulations.

The regulations tentatively proposed provide, among other things, that paints, varnishes, lacquers, stains, etc., flashing below 80° F. may be shipped, in ICC specification 5E metal drums of not over 5 gallons' capacity. Currently, these drums are used up to 55 gallons' capacity, but for 55-gallon units under the proposed rules, ICC 5, 5A and 5G are prescribed. The catch here is that these are more ex-

—*Continued on page 30*

Oil Search Permits Reinstated by Congress

OPD Washington Bureau
August 7, 1939

A bill to reinstate about a hundred oil prospecting permits on public lands was enacted by Congress on the last day of the session in spite of opposition of the Department of the Interior.

The bill (S. 878) amends the leasing act of 1937, which extended to December 31, 1939, oil and gas prospecting permits of several classes, including those under which at least one well was drilled to a depth of not less than 2.000 feet subsequent to August 21, 1935. The bill amended that clause to reinstate permits under which one well had been drilled to a depth of at least 1.000 feet between August 21, 1935, and January 1, 1939.

In a report opposing passage of the bill the Secretary of the Interior ex-

—*Continued on page 48*

Chemical Foreign Trade Nearly Balanced This Year

OPD Washington Bureau
August 10, 1939

Exports of chemicals and related products from the United States in the first half of the current year aggregated $82,825,000 as against $77,500,000 in the corresponding months of 1938. Imports in the same period totaled $90,000,000 as compared with $76,473,000 in the first half of 1938, according to the Department of Commerce.

Exports of coaltar products were valued at $6,318,000 in the first half of this year compared with $4,979,000 in the first half of 1938. In this classification shipments of coaltar colors, dyes, and stains increased from 4,753,000 pounds to 5,082,000 pounds, and benzol from 4,594,000 gallons to 9,759,000 gallons.

Medicinal and pharmaceutical exports increased in value from $8,250,000 in the first half of 1938 to $9,808,000 in the current year period, a gain of 19 percent, with practically every country and trading area of the world sharing in the business. In this group exports of biologics increased in value from $1,329,500 to $1,786,000 during these periods; non-proprietaries, from $2,633,500 to $3,065,000; and proprietaries, from $3,970,700 to $4,393,000.

Chemical specialty exports gained approximately 13 percent in value to a total of $14,850,000 during the current year period due mainly to heavier shipments of plastic materials, exports of which increased from 5,176,000 pounds in the first half of 1938, to 9,942,000 pounds in the corresponding period of this year.

Exports of paint materials, including pigments, advanced 14 percent in value during the current year period to $10,551,600, compared with the first half of 1938. In this classification shipments of chemical pigments increased from 94 to 122 million pounds; lacquers, from 783,000 to 809,000 gallons; ready-mixed paints, from 1,182,000 to 1,218,500 gallons; and calcimines, from 3,425,000 to 4,760,000 pounds.

Other items on the chemical and related products export list recording gains in the first half of the current year compared with the corresponding months of 1938, included vegetable tanning extracts, shipments of which increased in value from $612,000 to $716,600; industrial chemicals, from $12,369,000 to $13,052,000; essential oils, from $1,147,000 to $1,296,000; fertilizers, from $7,753,000 to $7,859,000; soaps, from $1,337,600 to $1,393,600; and toilet preparations, from $2,932,500 to $3,139,000.

Items showing decreases in the first half of 1938 compared with the same period of last year, included naval stores, exports of which declined in value from $6,448,500 to $6,063,000; crude drugs, from $814,000 to $688,800; sulphur, from $5,816,500 to $4,747,000; and industrial explosives, from $2,007,500 to $1,863,000.

Imports of fertilizer materials, not including tankage, showed little change in the first half of the current year, compared with the same period of 1938, remaining at about 800,000 tons valued at about $19,000,000, according to the Chemical Division, but imports of tankage increased sharply to 33,072 tons valued at $1,224,000 from 13,648 tons valued at $432,000 in the first half of last year.

Some changes occurred in the drying oil and drying oil seed group, due to disturbances in China, which reduced that country's exports of tung oil, but the aggregate for the whole classification advanced approximately 13 percent, due to heavier imports of perilla and oiticica oils and flaxseed. In this group, imports of tung oil decreased from 50,400,000 pounds in the first half of 1938 to 39,500,000 pounds in the current year period; but receipts of flaxseed increased from 7,383,000 to 10,763,000 bushels; perilla oil, from 15,-

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Alcohol-Gasoline Safety Claims Contradicted

Chicago, Aug. 7, 1939

Charles M. Hayes, president of the Chicago Motor Club, today protested distribution of an excerpt from the *Congressional Record* of July 17 in which compulsory blending of alcohol and gasoline was urged on the ground that it eliminates or minimizes the danger of carbon monoxide poisoning. Citing tests reported by the American Chemical Society, Mr. Hayes pointed out that the carbon monoxide hazard is present in all types of liquid fuel, its intensity depending only on carburetor adjustment and the condition of the engine.

In a telegram to H. D. Angell, Oregon congressman who introduced the resolution, Mr. Hayes declared that distribution of the information was dangerous because it might create a false sense of security on the part of motorists in territories where alcohol-blended gasoline is available. He said:—

Claims that blending of 10 percent of alcohol with gasoline reduces and even eliminates the hazard of carbon monoxide in exhaust gases have been in circulation since 1936. Publication in the official *Journal of the American Chemical Society*

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Trend of Progress in Fungicides

By Dr. Hubert Martin

Research Station, Long Ashton, Bristol, England

Contribution to the symposium on "The Trend of Progress" July 13, 1939, at the annual meeting of the Society of Chemical Industry; reprinted from the July 8 issue of the society's publication, Chemistry and Industry.

(Continued from August 7 issue)

Retention a Factor

A second alternative already explored —for it promises results of more rapid practical application—is to dissolve the direct-acting constituent in an oil or other water-immiscible liquid of good penetrating properties and to emulsify in an aqueous phase of moderate wetting properties. An example, the nicotine-cottonseed oil-bordeaux spray initially produced for the simultaneous control of aphis and the powdery and downy mildews of "hop," was so successful that it was possible to reduce by one-half the concentration of the bordeaux without loss of fungicidal efficiency. The superiority of this modified bordeaux mixture is due largely to enhanced tenacity, but it is possible that initial retention is also improved by a phenomenon which may be called "preferential retention."

With ordinary suspensions, such as bordeaux mixture, the amount of spray residue is determined solely by concentration and the initial retention of the aqueous phase. Once the amount applied has reached the point when run-off occurs, continued spraying will not increase the amount of solid retained.[4] But it was observed by de Ong, Knight, and Chamberlain[5] that, with unstable emulsions, the amount of oil deposit can be agumented by continued spraying. Advantage may be taken of this preferential oil retention to prepare emulsion-suspension systems in which the solid is oil-wetted and therefore becomes preferentially retained with the oil.[6] This property has also been utilized in the oil-flocculated lead arsenate spray devised by Marshall[7] and called "Dynamite Spray."

The problems of spray retention, which are also being studied by Hoskins and his colleagues[8] in California, are also of importance in the laboratory assessment of field performance of spray materials and in the compounding of insecticides and fungicides. In compounding pest-control products the primary purpose of the manufacturer has been to render the product foolproof but, with greater knowledge of the physicochemical properties making for better performance, the foolproof character can be coupled with increased efficiency. The immediate future of pest-control products is the introduction of known and established active constituents in new forms easier to use and better than the older insecticides and fungicides.

Established Active Agents

Actually the number of established active constituents of fungicides is limited to sulphur, copper, mercury, formaldehyde, and a few less widely used

—*Continued on page 24*

* References indicated by numerals will be found at the end of the article.

Export Trade Service Offered by D.of C.

OPD Washington Bureau
August 9, 1939

Secretary of Commerce Harry L. Hopkins today called the attention of American business firms and individuals engaged in export trade to a business contact service designed to keep them in touch with foreign trade representatives and heads of foreign business firms visiting in the United States.

The contact service is part of the "aids-to-business" program sponsored by the Department of Commerce for the purpose of increasing American foreign trade. American government representatives in foreign countries relay information to the department concerning intended visits to this country by foreign business men. Information of this nature is then disseminated to individuals and commercial organizations throughout the United States by the industrial and technical units of the Bureau of Foreign and Domestic Commerce, which has district offices located in the principal commercial centers of the country.

Commodity experts are available in the department for personal consultations on export procedure. Information obtained from abroad affecting export and import trade is maintained for the

—*Continued on page 25*

V 136 17
AUG 1939
XUM

..a white-lead to fit every paint manufacturing requirement

The Dutch Boy is nothing if not thorough. He doesn't stop with just *one* hat in the ring. Remember each hat stands for a high-quality white-lead. With five different "leads" to choose from, the paint manufacturer has a much better chance to get exactly what he wants. A better chance to get a white-lead with precisely the paint-making characteristics he's been looking for.

Here's the wide choice that the Dutch Boy offers: First, you have those two old standbys, Dutch and Carter. Next comes H.T.S. with its increased paint-thickening power, tinting strength and hiding power. Then there are the new 333 and 111 White-Leads. Both have higher paint-thickening power, tinting strength and hiding power than any other white-lead on the market. For example, No. 111 rates about twice as high in these qualities as Dutch.

Remember that no matter which one of the five you choose, you can be sure of uniformity. Remember, also, that the more white-lead you use the better the paint. Step up the white-lead in your formula—and you automatically step up the quality and durability of your paint.

NATIONAL LEAD COMPANY

111 Broadway, New York; 116 Oak St., Buffalo; 900 West 18th St., Chicago; 659 Freeman Ave., Cincinnati; 1213 W. Third St., Cleveland; 722 Chestnut St., St. Louis; 2240 24th St., San Francisco; National-Boston Lead Co., 800 Albany St., Boston; National Lead & Oil Co. of Penna., 316 Fourth Ave., Pittsburgh; John T. Lewis & Bros. Co., Widener Building, Philadelphia.

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Current Market Quotations

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs., a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100 lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25 lb. lots.....lb. .38 - —
kgs., 2,000 lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25 lb. lots.....lb. .36 - —
kgs., 2,000 lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06¼- —
tanks, dlvd.....lb. .04¼- —
Methyl (see M)
Acetophenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs. .....lb. 1.02 - —
25 lbs. .....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E of and including Kans., Neb., N.D., Okla., S. D., Texas E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.22 - 2.48
cbys. .....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
pure, 80%, bbls.....100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply div'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .22 - .26
Ascorbic, bots., dms.....oz. 2.75 - 3.00
Battery, cbys, c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .69
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - (57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, dlvd. ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
powd., bbls., contracts, 80 tons, dlvd., ton..111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., dlvd.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00
USP, $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cns.....lb. 5.50 - 5.70
Capric, dms.....lb. .12 - .12½
Caproic, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .12½- .13
Chlorosulphonic, dms., c.l., works..lb .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Acid Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .15¼- —
l.c.l., 5 tons, dlvd. N. Y. lb. .15¾- —
Dms., smaller quantities, dlvd., N. Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., grain., bbls., car lots..lb. .20 - —
10,000-lb, lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —
Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b., N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.
Cleve's, bbls.....lb. .57 - —
Coconut oil, dms. .....lb. .09¼- .09¾
Corn, dist., dms.....lb. .08¼- .08⅝
Cottonseed oil, dist., dms....lb. .06½- .07
tanks .....lb. .06 - —
Cresylic, high-boil, dom., c.l., works, frt equld..gal. .49 - —
l.c.l., same basis.....gal. .50 - —
Special blends, dom., c.l., frt. equaled..gal. .58 - —
l.c.l., same basis.....gal. .59 - —
low-boil, dms., c.l., works frt. equaled..gal. .55 - —
l.c.l., same basis.....gal. .56 - —
imported, pale, dms.....gal. .48 - .54
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital)
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l..lb. .10¼- —
l.c.l., 25 and over.lb. .11 - —
1-24 .....lb. .11¼- —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l., lb. .1170- .1240
l.c.l., 25 and over.....lb. .1220- .1290
1-24 .....lb. .1270- .1320
Fumaric, bbls.....lb. .75 - —
Gallic, tech., bbls.....lb. .70 - .73
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 - —
single bbls.....lb. .80 - —
fib. dms., 25 lbs.....lb. .81 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .07½
lead cbys.....lb. .09 - .09½
48%, lead cbys.....lb. .11½- .12
52%, lead cbys.....lb. .12½- .13
60%, lead cbys.....lb. .15 - .15½
Hydrofluosilic, 30-35%, 420 lb. bbls..lb. .09 - .09½
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade.....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade .....lb. .13¼- .14¼
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .12¾- .13¼
Laurent's, bbls. .....lb. .45 - —
Linseed oil, dark, dms.....lb. .10 - .10½
light, dms.....lb. .11 - .11½
extra white, dist., dms....lb. .12½- .12¾
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l. .....lb. .25 - —
dms., l.c.l. .....lb. .26 - —
Malic powd., kegs.....lb. .47 - —
Mandelic, bots. .....lb. 2.30 - —
dms., 1,000 lbs...lb. 1.90 - —
smaller lots .....lb. 2.15 - —
Mixed, tanks, nitric unit...lb. .05 - .06
sulphuric unit .....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l. 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9 works...100 lbs. 2.70 - —
tanks, works .....100 lbs. 1.15 - —
Acid, muriatic, 22°, cbys., c.l., E. works..100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works....100 lbs. 2.20 - —
tanks, works .....100 lbs. 1.65 - —
cryst., gran., bbls., car lots.lb. .21 - —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .06 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .15¾- .16¼
Naphthenic, acidity, 128-200 dms., c.l..lb. .07 - —
210-230, dms., c.l.....lb. .09 - —
240-280 dms., c.l.....lb. .10 - —
Sludge, dms., c.l.....lb. .05 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9 works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works.. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works.. 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP., dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .06¼- .06¾
tanks .....lb. .05¾- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710 cbys., 100 lbs..lb. .12 - —
50%, s. g., 1,347 cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns..lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns. .....lb. 1.10 - —
USP, cryst., cns.....lb. 1.45 - 1.63
resubl., cns.....lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech. dms., c.l., works....lb. .27 - —
l.c.l., dms., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .08 - .08½
Stearic, distil., double pressed, bgs., dlvd..lb. .10½- .11⅛
single pressed, bgs., dlvd..lb. .10 - .11
triple pressed, bgs., dlvd..lb. .13¼- .14¼
saponif., double pressed, bgs., dlvd..lb. .10⅝- .11⅛
triple pressed, bgs., dlvd..lb. .13½- .14½
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100lbs. 1.25 - —
l.c.l., 25 and over, works, 100lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works..... 100 lbs. 1.50 - —
l.c.l., 25 and over, works.. 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
C.P., USP, dealers, cbys...lb. .06½- —
9-lb. bots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms.....lb. .40 - .47
USP, fluffy, bbls., 1,000 lbs.— 100-lb. lots.....lb. .90 - —
25-lb. lots.....lb. .93 - —
powd., bbls., 1,000 lbs.....lb. .78 - —
smaller lots.....lb. .80 - —
Tartaric, USP, dom., cryst. gran., powd., bbls., 10,000 lbs. or more, one shipment. lb. .27½- —
kgs. .....lb. .28½- —
smaller quantities.....lb. .27¾- —
Tobias, bbls.....lb. .60 - .65
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., wks.....lb. 2.35 - 2.55
Chem. grade, kgs., wks....lb. 1.70 - 1.80
Aconite, leaves, bls.....lb. .25 - .26
Root, bls. .....lb. .25 - .26
Aconitine, amorph., bots.....oz.17.00 -18.00
vis. .....gr. .06 - .09
cryst., bots.....oz.30.00 - —
vis. .....gr. .09 - .11
Adeps lanae, anhyd., dms.....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar 1, bls.....lb. 1.50 Nom.
3, bls.....lb. No prices
Agaric, white, bls.....lb. 3.00 Nom.

Acacia—Aldehyde Bisulphite

Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
pow'd, grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .52 - .60
import, bgs.....lb. .60 Nom.
egg, ed., dom., cryst., bbls..lb. .58 - 62
dom., pwd., dms., bbls., lb. .63 - .67
import, cs. .....lb. .63 - .65
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
Benzyl, cans.....lb. .68 - —
drums .....lb. 63 - —
Butyl, normal, cns., works..lb. .12½- .14⅛
dms., c.l., frt. alld.....lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07 - —
tankwagon, frt. alld.....lb. .07½- —
secondary, dms., c.l., frt. pd., E. of Miss. R.....lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
tertiary, denaturing, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l., dms.....lb. .95 - —
import, 85%, 100-lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.80
Denatured, CD14, dms., c.l., works, E..gal. .27½- —
l.c.l., works, dms.....gal. .31¼- —
tanks, E., works.....gal. .21¼- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .26¼- —
19 bbls., E. works...gal. .28½- —
1 to 18 bbls., E. works, gal. .31¼- —
dms., c.l., E. works....gal. .25½- —
19 dms., E. works....gal. .27½- —
gal. .30½- —
tanks, E. works.....gal. .19½- —

Anhydrous, 2c. per gal. higher.

SD-2B., dms., c.l., works, E. gal. .24½- —
19 dms., works, E...gal. .26¼- —
1 to 18 dms., works, E. gal. .29¼- —
tanks, E., works.....gal. .18½- —
SD23-G, works, E., dms..gal. .30 - —
19 dms. .....gal. .32 - —
1 to 18 dms.....gal. .35 - —
tanks .....gal. .24 - —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Special solvent, dms., c.l., E. works..gal. .26½- —
20 dms., E. works...gal. .28½- —
1 to 19 dms., E. works, gal. .31¼- —
tanks, E. works.....gal. .20¼- —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, contract, dms., c.l., dlvd..lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
cns., works.....lb. .13½- .15½
tanks, dlvd.....lb. .08 - —
tech., contract, dms., c.l., dlvd..lb. .08¼- —
l.c.l., dlvd.....lb. .09 - —
cns., works.....lb. .13 - .15
tanks, dlvd.....lb. .07½- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.53 - —
19 bbls.....gal. 4.56½- —
1 to 18 bbls.....gal. 4.59½- —
dms., c.l.....gal. 4.49 - —
19 dms.....gal. 4.52½- —
1 to 18 dms.....gal. 4.58½- —
tanks .....gal. 4.46 - —
absolute, dms., c.l.....gal. 4.84½- —
19 dms.....gal. 4.88 - —
1 to 18 dms.....gal. 4.91 - —

Grain alcohol 25c. gal. higher.

Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies..lb. .0680- —
l.c.l., same terms.....lb. .0730- —
tanks, same terms.....lb. .0580- —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b. dest..gal. .65 - —
55 gal., c.l., same basis.gal. .33½- —
l.c.l., same basis....gal. .38½- —
tanks, frt., alld.....gal. .28½- —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis ....gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.50 - 3.35
Propyl, normal, dms., works, gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y., lb. .44 - —
450 lb. lots, same basis..lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat, grade, dms., tanks, works..gal. .70 - .73
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .19 - —

V 136 17 AUG 1939 XUM

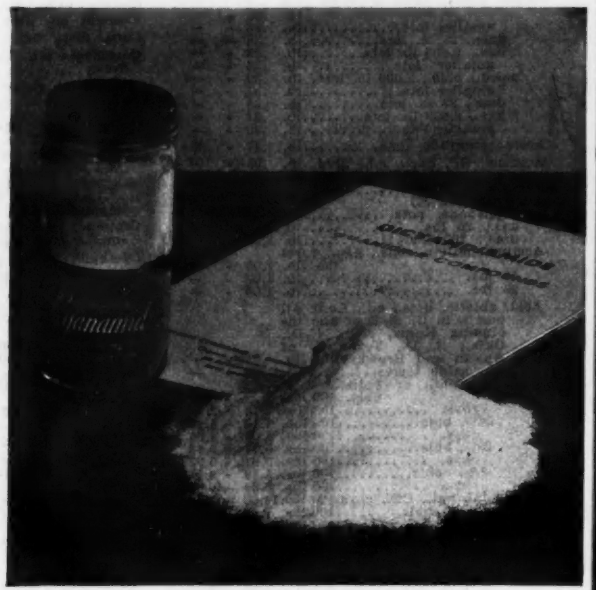
Aldol—Amyl Stearate

Aldol, 95%, 55 and 110 gal. dms., c.l., works	lb.	.11	—
l.c.l., works	lb.	.12	—
5 and 10 gal. dms., works, lb.		.15	—
Aletris root, bgs.	lb.	.37	.39
Alizarin (see Red, alizarin).			
Alkanet root, bgs.	lb.	.11	.12
Aloe, Barbadoa, true, cs.	lb.	.85	.90
Cape, cs.	lb.	.18½	.20
Curacao, cs.	lb.	.43	.44
gourds, bbls.	lb.	.80	.85
Socotrine, kgs.	lb.	.40	.45
Aloin, 140-lb. bbls.	lb.	2.95	—
100-lb. kgs.	lb.	2.97	—
25-lb. fib. dms.	lb.	3.04	—
Alphanaphthol, bbls.	lb.	.52	—
Alphanaphthylamine, bbls.	lb.	.32	—
Althea root, USP, cube cut, bbls., lb.		.30	.32
peeled, bls.	lb.	.34	.36
Alum, ammonia, burnt, USP, bbls., kgs.	lb.	.16	.18
gran., bbls., works	100 lbs.	3.15	—
dlvd. N.Y., Phila.	100 lbs.	3.15	—
lump, bbls., works	100 lbs.	3.40	—
dlvd., N.Y., Phila.	100 lbs.	3.40	—
powd., bbls., works	100 lbs.	3.55	—
dlvd. N. Y., Phila.	100 lbs.	3.55	—
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N. Y. prices apply to truck or ex warehouse.			
Potash, gran., bbls., works,	100 lbs.	3.40	—
dlvd., N.Y., Phila.	100 lbs.	3.40	—
lump, bbls., works	100 lbs.	3.55	—
dlvd., N.Y., Phila.	100 lbs.	3.55	—
powd., bbls., works	100 lbs.	3.50	—
dlvd. N.Y., Phila.	100 lbs.	3.50	—
Potash alum prices on same basis as those for ammonia alum.			
Potash-chrome, bbls.	lb.	.06½	.06¾
Soda, bbls., c.l., works	100 lbs.	3.25	—
l.c.l., dlvd.	100 lbs.	4.25	5.00
Alumina acetate, 20%, normal solut., bbls., c.l., dlvd.	lb.	.07½	—
l.c.l., dlvd.	lb.	.09	—
23%, basic solut., bbls., c.l., dlvd.	lb.	.10	—
l.c.l., dlvd.	lb.	.12	—
basic powd., bbls., dlvd.	lb.	.40	—
smaller containers, dlvd.	lb.	.50	—
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works	lb.	.06	—
12,000 to 40,000 lbs., works	lb.	.07	—
1,100 to 11,000 lbs., works,	lb.	.08	—
140 to 875 lbs., works.	lb.	.09	—
100 lbs., or less, works.	lb.	.10	—
cryst., com'l, dms., c.l., works	lb.	.06	—
l.c.l., dms., works	lb.	.06½	—
solution, 32 deg., cbys., c.l., works.	lb.	.02¾	—
l.c.l., cbys., works	lb.	.03½	—
Formate, 30%, solut., bbls., c.l., dlvd.	lb.	.13	—
l.c.l., dlvd.	lb.	.15	—
Hydrate, heavy, bbls., c.l., works.	lb.	.0290	—
l.c.l., bbls., works	lb.	.03½	—
bgs., c.l., works	lb.	.0260	—
light, bgs., c.l., dlvd.	lb.	.12	—
l.c.l., bgs., dlvd.	lb.	.12½	—
bbls., c.l., dlvd.	lb.	.12½	—
l.c.l., bbls., dlvd.	lb.	.13	—
Oleate, dms., contr.	lb.	.16¾	—
open order	lb.	.17½	.18¼
Palmitate, precip., bbls.	lb.	.23	—
Resinate, precip., dms., dlvd.	lb.	.15	—
Stearate, precip., bbls., ctns., c.l.	lb.	.16	—
l.c.l., ton	lb.	.17	—
less than ton	lb.	.21	—
Sulphate, com'l, bgs., c.l., works, frt. equald.	100 lbs.	1.15	—
l.c.l., works, frt. equald.	100 lbs.	1.40	—
bbls., c.l., works, frt. equald.	100 lbs.	1.35	—
l.c.l., works, frt. equaled	100 lbs.	1.60	—
iron-free, bgs., c.l., works.	100 lbs.	1.30	—
l.c.l., works	100 lbs.	1.55	—
bbls., c.l., works	100 lbs.	1.50	—
l.c.l., works	100 lbs.	1.75	—
Aluminum, 95-99%, c.l.	lb.	.20	—
l.c.l.	lb.	.21	—
paste, lining, extra fine, dms., 1,500 lbs.	lb.	.63	—
ink, dms., 1,500 lbs.	lb.	.70	—
standard, dms., 1,500 lbs.	lb.	.40	—
powder, lining, extra fine, dms., 1,500 lbs.	lb.	.92	—
standard, dms., 1,500 lbs.	lb.	.57	—
litho, extra brilliant, dms., 1,500 lbs.	lb.	.43	—
extra fine, dms., 1,500 lbs.	lb.	.47	—
lining, dms., 1,500 lbs.	lb.	.57	—
standard, dms., 1,500 lbs.	lb.	.42	—
rubber compound, dms., 1,500 lbs.	lb.	.40	—
unpolished, dms., 1,500 lbs.	lb.	.37	—
varnish, extra brilliant, dms., 1,500 lbs.	lb.	.43	—
extra fine, dms., 1,500 lbs.	lb.	.47	—
standard, dms., 1,500 lbs.	lb.	.40	—
Aluminum paste and powder prices for lots smaller than 1,500 lbs. are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for partial shipments on contracts, prices are 3c. per lb. higher on lots of less than 200 lbs.; 1c. per lb. higher for 200-400 lbs.; and ½c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. for 50 lbs.; 3c. per lb. for 10 lbs.; 5c. per lb. for 2 lbs.; 6c. per lb. for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.			
Ambergris, gray, tins	oz.	17.00	26.00
Aminopyrine, fib., dms., 100 lbs.	lb.	4.00	—
bots., 5 lbs.	lb.	4.22	4.25
Ammonia, acetate, bbls., kgs., dlvd.	lb.	.27	.33
dms., dlvd.	lb.	.23	.26
Aldehyde, dms.	lb.	.65	.70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works.	lb.	.04½	—
refrigeration, tanks, works.	lb.	.05	—
pure, cyls., dlvd., met. N.Y.	lb.	.16	—
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.			
Aqua, 26°, cbys.	lb.	.05	—
dms., c.l.	lb.	.02	—
l.c.l.	lb.	.02½	—
tanks (on NH_3 content), f.o.b. S. Chicago or Detroit,	lb.	.04	—
Ammonia, aqua, grade B (ammonia liquor) tanks (on NH_3 content), f.o.b. Chicago or Detroit	lb.	.03¾	—
Benzoate, dms., 4,000 lbs. or more	lb	.40	.42
1,000 lbs. to 3,900 lbs.	lb.	.41	.43
900 lbs. or less	lb.	.42	.46
kgs., 4,000 lbs. or more	lb.	.40	—
1,000 lbs., to 3,900 lbs.	lb.	.41	—
900 lbs. or less	lb.	.42	—
Bicarbonate, bbls., c.l., works, 100 lbs.		5.15	—
l.c.l., dlvd., N. Y.	100 lbs.	5.71	—
Bichromate, bbls.	lb.	.30	.33
Bifluoride, bbls.	lb.	.14½	.16¾
Borate, bbls., kgs.	lb.	.15	.16
Bromide, gran., bbls.	lb.	.35	—
bxs.	lb.	.28	.30
kgs.	lb.	.36	—
Carbonate, tech., dom., bbls.	lb.	.03	.12½
imported, csks.	lb.	.06	.13¾
USP, lump, dms.	lb.	.06	.17
powd., bbls., dms.	lb.	.09	.35
Chloride, tech. (see Ammoniac, sal).			
USP, gran., 225 lb. bbls.	lb.	.13	.18
100 lb. kgs.	lb.	.15	—
Citrate, dms.	lb.	.60	—
cns.	lb.	.65	—
Fluoride, bbls.	lb.	.17	.19
Hydroxide, (see Ammonia, aqua),			
Hypophosphite, dms.	lb.	1.25	1.27
jars	lb.	1.35	—
Iodide, 5-lb. bots.	lb.	3.62	—
jars	lb.	3.45	—
Linoleate, 50%, anhyd., bbls.	lb.	.11	—
Molybdate, kgs., wks.	lb.	1.05	1.20
Ammonia, nitrate, tech., bgs., c.l., works	100 lbs.	3.60	—
l.c.l., works	100 lbs.	3.85	—
bbls., c.l., works	100 lbs.	3.80	—
l.c.l., works	100 lbs.	4.05	—
Oleate, dms.	lb.	.11	—
Oxalate, neutral, powd., bbls., kgs.	lb.	.19	.30
pure, gran.	lb.	.32	—
Perchlorate, kegs	lb.	.16	.18
Persulphate, kgs.	lb.	.21	.23
Phosphate, dibasic, N.F.V., bls., lb.		.37	—
kgs.	lb.	.39	—
tech., bbls., c.l.	lb.	.07½	—
l.c.l.	lb.	.09	.10
monobasic, crude (fert. grade), 11% N 48% phos- bulk, f.o.b. E. works	unit-ton	1.20 &	.70
pure, bbls.	lb.	.40	.45
tech., bbls., c.l.	lb.	.07½	—
l.c.l.	lb.	.09	.10
Salicylate, U.S.P., kgs.	lb.	1.15	1.20
Silicofluoride, im., 350-lb. bbls., f.o.b. N.Y.	lb.	.09	—
5 bbls., same basis	lb.	.08½	—
Stearate, anhydrous	lb.	.22	—
paste	lb.	.06½	—
Sulphate, dom., bulk, c.l., f.o.b. Aug. shipt.	ton.	26.75	—

Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.

Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd.	lb.	.06	—
l.c.l., works	lb.	.13	.15
tanks, dlvd.	lb.	.07½	—
Ammonia sulphide, red. 48%, cbys., works	lb.	.07½	—
dms., works	lb.	.05½	—
yellow, 33%, cbys., works	lb.	.07½	—
dms., works	lb.	.05½	—
Sulphocyanide, pure, 99-100%, kgs.	lb.	.55	.75
Ammoniac, gum (see Gum, ammoniac).			
sal, gray, dom., bbls., c.l.,	100 lbs.	5.50	5.75
l.c.l.	100 lbs.	6.00	6.70
white, gran., dom., bbls., contracts, N. Y., l.c.l.	100 lbs.	4.90	5.05
import, csks.	100 lbs.	4.90	5.05
Amyl acetate, ex fusel oil, dms., c.l., dlvd.	lb.	.11½	.12½
l.c.l., dlvd.	lb.	.12	.14
tanks, dlvd.	lb.	.10½	.12½
cns., works	lb.	.16	.18
ex pentane, dms., c.l., frt., alld.	lb.	.10½	—
l.c.l., frt., alld.	lb.	.11½	—
tanks, frt., alld.	lb.	.09½	—
Alcohol (see Alcohol amyl).			
Butyrate, dms., 50 gal., returnable.	lb.	.75	—
Caproate, cns.	lb.	2.75	—
Chloride, normal, dms., works,	lb.	.56	—
small lots, works	lb.	.65	—
mixed, tech., dms., c.l., works.	lb.	.0565	—
l.c.l., works	lb.	.0665	—
tanks, works	lb.	.0465	—
Nitrite, bots.	lb.	1.80	1.85
Mercaptan, dms., l.c.l., works.	lb.	1.10	—
Oleate, dms., l.c.l., works	lb.	.25	—
Salicylate, bots., 5 lbs.	lb.	.61	—
cns., 25 lbs.	lb.	.51	—
Stearate, dms., l.c.l., works	lb.	.26	—

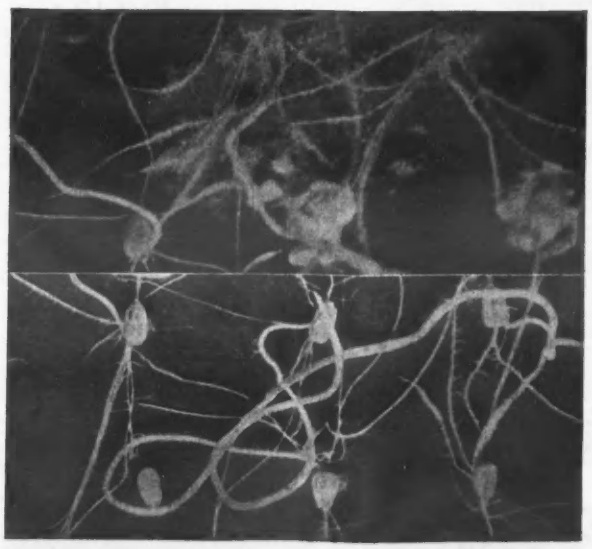
(*Right*) **INTRODUCTION TO CARLOADS** is this sample bottle of Dicyandiamide. Long a chemical curiosity, Dicyandiamide has at last been made commercially available by Cyanamid research—at a price that makes it a *new* product. Possibilities for synthesis through its use in nitrogen chemistry are almost unlimited. Barbituric acid, guanidine salts and resins, pyridimines—these are just a few of the applications of Dicyandiamide. Also commercially obtainable at low cost are Guanidine Nitrate, Guanidine Carbonate, and Guanylurea Sulphate. New booklet, "Dicyandiamide and Guanidine Compounds," is available on request.



(*Above*) **SEWING WITH AN IRON** is an easy task on fabrics coated with Koroseal—compounded by chemical processes from limestone, coke, and salt. Heat of the iron applied to the coated fabric "sews" the material together as effectively as a needle. Process offers a new way of applying colored strips to form attractive designs. Koroseal is both waterproof and sunproof, and can be applied to paper as well as to fabrics. Its use has been suggested in fabrics for shower curtains and umbrellas. These are just a few of the many possibilities of this synthetic rubber-like material, which has been applied with equal success to the lining of tanks handling severe corrosives, such as nitric or chromic acids.

LIFE

(*Below*) **BACKYARD GARDENER** and commercial farmer are alike aided by the development of hybrid corn. Produced by in- and cross-breeding, it has increased yields as much as 30%, sometimes more. More prolific, hybrid cornseed is also more expensive. To protect it from ever-present soil-borne diseases, Cyanamid has developed a special hybrid cornseed disinfectant—*Barbak C. Its effectiveness is illustrated by the 7-day old corn plants shown below. Upper photo shows plants from Diplodia infected seed; lower photo, similar plants from Barbak C treated seed.



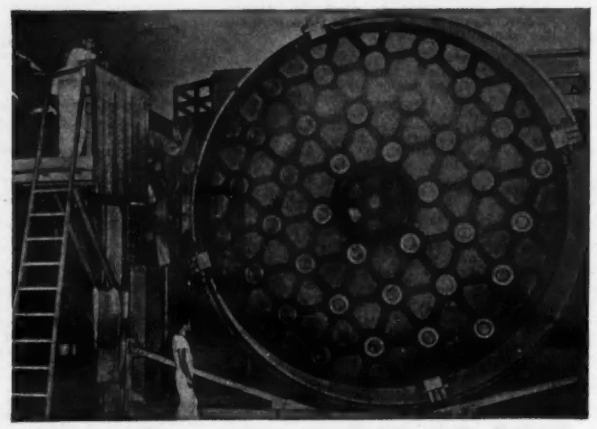
(*Above*) **CHEMICALS YIELD THEIR SECRETS** in the flame of a carbon arc as RCA tests every part for absolute accuracy in the manufacture of radio and television tubes. Tubes are delicate scientific instruments made of chemical elements, alloys, and compounds—and each material is carefully prepared, analyzed, and studied during tube development, manufacture, and operation. Spectrographic analysis shown here provides the key to exact chemical composition. Volatilized in arc, each material gives off a light that is refracted by a quartz prism to produce a spectrum that can be photographed. Resulting photograph shows both the nature and the quantity of an impurity in the material undergoing test.

Amylene, dms., c.l., works....lb. .103 - —
l.c.l., works....lb. .11 - —
tanks, works....lb. .09 - —
Anethol, bots. ....lb. 1.00 - 1.05
Angelica root, dom., bls....lb. .20 - .21
import, natural, bls....lb. .20 - .22
twisted, bls. ....lb. .28 - .30
Angostura bark, bls....lb. .30 - .31
Anilin oil, dms., c.l....lb. .15 - —
l.c.l. ....lb. .16 - —
tanks ....lb. .14½ - —
Salt, dms., works....lb. .22 - .24
Anise, Spanish, bgs....lb. .16 - .16½
Star, bgs. ....lb. .15 - .16
Anisic aldehyde, bots....lb. 3.00 - 3.10
Annatto paste, bxs....lb. .34 - .39
seed, bgs....lb. .06½ - .07
Anthracene, 80-85%, bbls., wks., lb. .65 - —
80%, bbls., wks....lb. .65 - —
Anthraquinone, 99.6%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys....lb. .17 - —
Metal, spot ....lb. .12 - —
Needle, powd., ton lots, bulk, lb. .12 Nom.
bbls., kgs....lb. .14 - .16
Oxide, bgs., c.l., dlvd....lb. .10 - .11
l.c.l., ex whse....lb. .10½ - .11¼
Salts, 65%, kgs....lb. .25½ - .27
White pigment, bgs., f.o.b. Laredo, Tex..lb. .11½ - .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots....lb. 2.10 - 2.15
Apomorphine, bots....oz. 23.20 - 23.70
Archil extract, con., bbls....lb. .21 - .27
double, bbls....lb. .18 - .20
triple, bbls....lb. .18 - .20
Areca nuts, powd., bbls....lb. .10 - .11
Arecoline hydrobromide, bots..oz. 4.35 - 4.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. 82.00 - 84.00
Arnica flowers, bls....lb. .27 - .28
Root, bls. ....lb. .36 - .37
Arrowroot, St. Vincent, powd., bgs..lb. .08 - .08½
bbls. ....lb. .08½ - .09
Arsenic, metal, lump, cs....lb. .40 - .41
Chloride (arsenous), cns....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots. lb. 5.35 - —
jars ....lb. 5.20 - —
Red, import, cs....lb. .15¾ - .16¼
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l....lb. .06 - —
l.c.l. ....lb. .05¾ - —
Asafetida, cs. ....lb. .23 - .24
powd., bbls., bxs....lb. .40 - .45
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y....lb. .02½ - —
smaller lots, f.o.b. N. Y. lb. .03½ - —
Asphaltum AA, bgs., 20 tons, f.o.b. N.Y..lb. .08½ - —
smaller lots, f.o.b. N. Y..lb. .10½ - —
California, dms., c.l., f.o.b. N. Y..ton. 29.00 - —
l.c.l., f.o.b. N. Y....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton. 32.00 - —
seconds, bgs., c.l., Western shipt. points..ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton. 51.00 - —
Jet., bgs., c.l., Western shipping points..ton. 30.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery....ton. 21.00 - —
tanks, refinery....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton. 12.50 - 14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery....gal. .06½ - —
N. Orleans refinery....gal. .06 - —
Atropine, bots. ....oz. 4.50 - 5.00
Sulphate, bots. ....oz. 2.60 - —
cns. ....oz. 2.50 - —

B

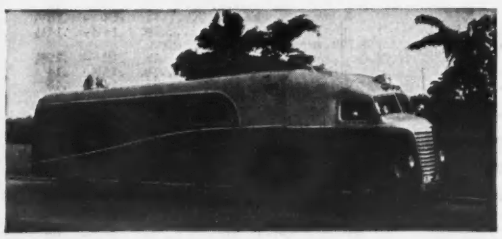
Balm of Gilead buds, bgs....lb. .36 - .40
Barberry bark, bgs....lb. .17½ - .18
Tree bark, bls....lb. .09 - .10
Barbital, cs....lb. 3.00 - 3.10
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton. 41.00 - 42.00
90% thru 200 mesh, bgs., c.l., works..ton. 43.00 - 45.00
precip., bgs., c.l., works..ton. 52.50 - —
Chicago ....ton. 55.00 - —
l.c.l., works....ton. 57.50 - —
Chicago ....ton. 60.00 - —
bbls., c.l., works....ton. 57.50 - —
Chicago ....ton. 60.00 - —
l.c.l., works....ton. 62.50 - —
Chicago ....ton. 65.00 - —
sulphur-free, bgs., c.l., works, ton. 57.50 - —
l.c.l., works....ton. 62.50 - —
Chlorate, kgs....lb. .16½ - .17½
Chloride, C.P., cryst., bbls..lb. .25 - —
kgs. ....lb. .27 - —
tech., doms., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton. 77.00 - —
bbls., same basis..ton. 79.00 - —
l.c.l., bgs., same basis, ton. 90.00 - —
bbls., same basis..ton. 92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N. - S. Carolina, Ga., Ala., Miss., Fla..ton. 81.00 - —
bbls., same basis..ton. 83.00 - —
bbls., l.c.l., bgs., same basis..ton. 94.00 - —
bbls., same basis..ton. 96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz..ton. 87.00 - —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
l.c.l., bgs., same basis..ton. 96.00 - —
bbls., same basis..ton. 98.00 - —
Dioxide, dms. ....lb. .11 - .15
Fluoride, bbls....lb. .11½ - .12½
Fluosilicate, bbls....lb. .11½ - .12½
Hydrate (see Hydroxide).
Hydroxide, bbls. ....lb. .04½ - .05
Iodide, bots....lb. 4.45 - 4.50
Monoxide (see Oxide).
Nitrate, cks....lb. .06¾ - .07¼
Oxide, dms....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls....lb. .09½ - .10
kgs. ....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton. 32.65 - —
l.c.l., ex whse., Boston, ton. 36.00 - —
Chicago ....ton. 31.15 - —
Cleveland ....ton. 33.50 - —
New York....ton. 32.00 - —
paper bgs., c.l., St. Louis, ton. 22.85 - —
l.c.l., ex car, Baltimore, ton. 29.70 - —
Boston ....ton. 31.70 - —
Philadelphia ....ton. 30.50 - —
ex whse., Baltimore..ton. 32.10 - —
Boston ....ton. 35.20 - —
Chicago ....ton. 30.35 - —
Cleveland ....ton. 33.00 - —
Detroit ....ton. 32.00 - —
Kansas City ....ton. 30.95 - —
Los Angeles ....ton. 42.00 - —
New York....ton. 33.50 - —
Philadelphia ....ton. 31.90 - —
San Francisco....ton. 42.00 - —
Toronto ....ton. 29.50 - —
southern off color, bulk, mines, ton. 12.00 - —
95.75%, bulk, mines....ton. 16.00 - —
ore, bulk, mines....ton. 7.00 - —
Cuban, crude, c.l., c.i.f....ton. 11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. 25.00 - 26.00
l.c.l., ex whse....ton. 30.00 - —
German, ungrd., bulk, c.l., ex dock..ton. 13.00 - 14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton. 29.50 Nom.
l.c.l., ex whse. ....ton. 32.50 - —
Bauxite, bulk, mines....ton. 7.00 - 10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls....lb. .32 - .90
Bayberry bark, bgs....lb. .12 - .16
Belladonna leaves, bls....lb. .13 - .16
Root, bls....lb. .17 - .20
Bentonite, 200 mesh, bgs., Wyo., works..ton. 11.00 - —
325 mesh, bgs., Wyo., wks., ton. 16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .55 - .60
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha gal. .16 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .16 - —
Benzoyl chloride, cbys....lb. .23 - .30
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns....lb. .40 - —
dms. ....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans, lb. .71 - —
dms. ....lb. .67 - —
Chloride, 96.97%, refd., dms., lb. .19 - .21
Cinnamate, cns. ....lb. 4.15 - 5.00
Formate, cns....lb. 2.75 - 3.00
Benzylidineacetone, bots....lb. 2.00 - 2.00
Berberine bisulphate, cns....lb. 16.75 - —
Hydrochloride, cns. ....lb. 16.75 - —
Sulphate, cns. ....lb. 16.75 - —
Berberis root, bls....lb. .11 - .12
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works....lb. .24 - —
Benzoate, fib., dms....lb. 2.10 - —
kgs. ....lb. 2.00 - —
Betanaphthylamine, tech., kgs. lb. .51 - —
Beth root, bls. ....lb. .16 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.70 - —
jars ....lb. 2.65 - —

(*Left*) **GUARDIAN OF VACUUMS** is Kovar, new alloy that fuses with glass and expands at practically the same rate, allowing air-tight seals between metal and tube. Product of the research laboratories of one of the country's leading electrical manufacturers, Kovar is an alloy of nickel, cobalt, manganese, and iron. Good conductor of electricity, Kovar leads electric current through glass walls while it maintains the vacuum essential to the operation of radio tubes, rectifiers, and X-rays. Photograph shows Kovar seal in a vacuum device sub-assembly.



ON THE CHEMICAL NEWSFRONT

(*Above*) **GIANT AMONG MIRRORS** is getting ready for its job of reflecting the light of distant stars in the Mt. Palomar telescope. Close-up view of the 200-inch mirror clearly shows the ribbed construction of the glass through the polished surface. Ribs reduce weight and permit rapid equalization of temperature. Hole in center—temporarily plugged for polishing operation—will gather light reflected from an auxiliary mirror to a focus below the big mirror. When completed—late in 1940—the mirror will be coated with aluminum to give it the highest degree of reflectivity—necessary to gather enough light from far-flung space to produce a visible record for the astronomers.



TO BOMBAY BY TRAILER through the strangely-named cities of the East goes the route of the Thaw Asiatic Expedition. Specially designed and constructed by General Motors, the trailer brings to desert and jungle every comfort that modern science can devise. Air conditioning and cork insulation protect the travelers against heat and noise; polaroid glass saves their eyes from the sun's glare. In cool comfort on their long trek, the travelers dine off colorful, light-weight tableware made of Beetle**—ideal for use on trailers and boats because it is non-shattering, hard to break under vibration or shock.

American Cyanamid & Chemical Corporation

30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

*Registered U. S. Patent Office.

**Trade-mark of American Cyanamid Company applied to urea products manufactured by it.

V 136 7
AUG 1939
XUM

Bismuth—Cellulose

Bismuth, hydroxide, 5-lb. bots..lb. 3.27 - —
cns. .....lb. 3.10 - —
Metal, ton lots.....lb. 1.10 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs. .....lb. 2.96 - —
Subbenzoate, 5-lb. bots.....lb. 2.85 - —
fib., dms.....lb. 1.13 - 1.19
Subcarbonate, bots., cns.....lb. 1.52 - 1.76
fib. dms. .....lb. 1.45 - 1.46
X-ray, 5-lb. bots.....lb. 2.42 - —
fib. dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.67 - 1.80
fib. dms.....lb. 1.58 - 1.61
Subiodide, cns.....lb. 3.91 - —
fib., dms.....lb. 3.86 - —
Subnitrate, powd., bots., cns., lb. 1.32 - 1.36
fib. dms. .....lb. 1.23 - 1.26
Subsalicylate, 82-86%, bxs...lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 2.61 - —
fib. dms.....lb. 2.50 - —
Trioxide, powd., 5-lb. bots...lb. 2.56 - —
cns. .....lb. 2.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 2.40 - —
cns. .....lb. 2.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 2.14 - —
fib. dms.....lb. 2.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .12 - —
l.c.l., frt. alld. E.....lb. .12½ - —
1, bbls., bgs., c.l., frt. alld., E..lb. .12 - —
l.c.l., frt. alld. E.....lb. .12½ - —
2, bbls., bgs., c.l., frt. alld., E..lb. .12½ - —
l.c.l., frt. alld. E.....lb. .11 - —
3, bbls., bgs., .l., frt. alld. E. lb. .09½ - —
l.c.l., frt. alld. E.....lb. .12 - —
4, bbls., c.l., frt. alld. E...lb. .09½ - —
l.c.l., frt. alld. E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½ - —
l.c.l., frt. alld. E.....lb. .08 - —
6, bbls., c.l., frt. alld. E...lb. .08½ - —
l.c.l., frt. alld. E.....lb. .08 - —
7, bbls., bgs., c.l., frt. alld. E. lb. .09 - —
l.c.l., frt. alld. E.....lb. .09½ - —
8, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½ - —
Bone black prices on Pacific Coast are per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., dlvd..lb. .06¾- .06¾
bgs., ctns., l.c.l., dlvd..lb. .06¾- —
cs., l.c.l., dlvd.....lb. .07½ - —
2, bgs., c.l., works.....lb. .06½- —
l.c.l., dlvd.....lb. .10½ - —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .12 - —
l.c.l., dlvd.....lb. .14½ - —
cs., l.c.l., dlvd.....lb. .16½ - —
4, bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd. .....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in Nor. Amer. (water freights extra)..lb. .02¾- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal) 50,000 lbs., dlvd., Zone C (Pac. Cst., States)..lb. .0319- —
30,000 lbs., dlvd., Zone C, Pac. Cst. States..lb. .0335- —
D (Ill., Ia., Wis.)..lb. .0614- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W Va.) ..lb. .0341- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .034 -
G. (Mexico) f.o.b. border..lb. .03 - —
Zone G, f.o.b. N. Orleans..lb. .029 - —
l.c.l., f.o.b. whse.....lb. .05¾- —
bgs. or ctns. (seller's option), l.c.l., dlvd..lb. .06¼- —
bulk, tanks, same price as bags in each zone.
cs., l.c.l. dlvd.....lb. .07 - —
export, full compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05¼ Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .50 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A., ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .13 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .26 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .38 - —
Import, 1, bbls., c.l., f.o.b., N.Y..lb. .08 - —
l.c.l., f.o.b., N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls, c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b., N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6 bbls., c.l., f.o.b. N.Y.....lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .26 - —
Vine, A. bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under dyes.
Black Haw, root bark, bls....lb. .20 - .21
Tree bark, bls.....lb. .12 - .13
Black Indian hemp root, bls...lb. .16 - .18
Blanc fixe, dry, by-product, bgs., c.l....ton.60.00 - —
l.c.l. .....ton.65.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.75.00 - —
l.c.l., same basis....ton.80.00 - —
pulp 60%%, bulk, c.l., works, ton.40.00 -42.00
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.35
l.c.l., works.....100 lbs. 2.25 - 2.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.50 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 2.30 - —
import, bgs., c.i.f. ports, shpt., unit-ton. 2.70 - —
soluble (see Albumen, blood)
Bloodroot, bls. .....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.00 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.50 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
soluble, bbls., same basis alkali toner, contracts. lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equal..lb. .22 - .27
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Ultramarine, blue, dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls. .....lb. .13 - .14
Blue mass, USP., cns.....lb. 1.10 - —
powd., cns.....lb. 1.12 - —
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b., works..100 lbs. 4.25 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.40 - —
6-15 bbls., same basis, 100 lbs. 4.50 - —
1-5 bbls., same basis..... 100 lbs. 4.75 - —
monohydrated, dms., c.l., dealer, f.o.b. works..100 lbs. 8.65 - 8.90
l.c.l. dealer.....100 lbs. 9.65 - 9.90
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.27.00 - —
import, bgs., c.i.f. ports.ton.24.00 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.26.00 - —
import, 100-lbs. bgs., c.i.f ports, shipt..ton.23.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)
steamed, dom., 1½% ammon., 60% phos. bgs., f.o.b., Chicago..ton.26.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports.ton.24.50 - —
Boneset leaves, bales.....lb. .07 - .08
Borage flowers, bls.....lb. .16 - .17
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.43.00 - —
l.c.l., ex whse...ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.53.00 - —
l.c.l. ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min. dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .55
moulding, cns., dms., over 10 lbs..lb. .65 - .90
Bronze, printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls. .....lb. .10 - .11
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, iron oxide, bbls., works. lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American bbls., works..lb. .03 - —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis...lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09½- —
5, bbls., same basis...lb. .09½- —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .08 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis..lb. .06½- —
11, bbls., same basis..lb. .06½- —
12, bbls., same basis..lb. .06¼- —
13, bbls., same basis..lb. .06 - —
14, bbls., same basis..lb. .05½- —
Brown, Sienna, raw, American, bbls., works..lb. .02½- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12½- —
Group 2, bbls., same basis, lb. .10½- —
3, bbls., same basis...lb. .11 - —
4, bbls., same basis...lb. .09½- —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .07½- —
8, bbls., same basis...lb. .07¼- —
9, bbls., same basis...lb. .06¾- —
10, bbls., same basis..lb. .06 - —
11, bbls., same basis..lb. .05¾- —
umber, American, bbls., works, lb. .02½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y.....lb. .04 - —
St. Louis.....lb. .04¼- —
ex car Los Angeles...lb. .04½- —
ex dock, Portland, San Francisco, Seattle..lb. .04¾- —
Boston .....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle .....lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04¼- —
Vandyke, bbls., l.c.l.....lb. .05½- —
Walnut crystals, bbls.....lb. .05¼- .06
Brucine, 100 cs., cns.....oz. .10 - —
Sulphate, 100 cs., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .32 - .33
Buckthorn bark, true, bls.....lb. .06 - .06½
cut and sifted, bbls.....lb. .9 - .11
Berries, bgs. .....lb. .16 - .17
Burdock root, bls.....lb. .10 - .10½
Burgundy pitch, dom., bbls...lb. .05 - .06½
Butanes, coml., 16-34°, tanks, group 3..gal. .06¾- —
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., works..lb. .12½- .14½
dms., c.l., frt. alld.....lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, contract, frt. alld..lb. .07 - —
tankwagons, frt. alld.....lb. .07½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
crotonate, normal, 55 & 110 gal. dms., dlvd..lb. .75 - —
5 & 10 gal. dms., dlvd.....lb. 1.00 - —
Butyl, ether (see under Ether).
Lactate, dms.....lb. .22½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .26 - —
Butyric ether, bots.....gal. 6.60 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.61 - —
single jars .....lb. 1.66 - —
5-lb. bots.....lb. 1.80 - —
Iodide, 5-lb. bots. .....lb. 4.01 - —
25-lb. cns. .....lb. 3.87 - —
Lithopone (see Yellow).
Metal, pat. shapes, cs.....lb. .60 - —
ingots, or sticks.....lb. .55 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs., or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs. .....lb. 2.35 - —
25-lb., 10,000 lbs. or more..lb. 2.23 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.63 - —
100 lbs. .....lb. 2.43 - —
25 lbs. .....lb. 2.55 - —
10-lb. cans, 10,000 lbs. or more. lb. 2.25 - —
2,000 lbs. or more.....lb. 2.30 - —
1,000 lbs. or more.....lb. 2.35 - —
100 lbs. .....lb. 2.40 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cans, 25 lbs. or more lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns. .....lb. 1.80 - 2.10
Hydrobromine, bots. .....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .20 - .21
Calamus root, peeled, N.F., cs. lb. .15 - .17
bleached, bls.....lb. .45 - .50
Calcium acetate, bgs., dlvd. 100 lbs. 1.65 - —
Arsenate, bgs., c.l., dealers. E. of Rockies..lb. .06¾- .07¼
W. of Rockies, bgs., dms., lb. .06½- .06¾
Southern cotton states, bgs., dms..lb. .06½- .06¾
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms., c.l., dlvd....lb. 4.75 - —
l.c.l., f.o.b. warehouse...lb. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-80%, bgs., dms., c.l., dlvd.ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 75-75%, bgs., dms., c.l., dlvd..ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs 1.60 - 2.25
Gluconate, USP, gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns 25 lbs.....lb. 1.40 - —
Hypophosphite, cns. .....lb. .62 - .67
Iodide, bots., jars.....lb. 3.85 - 3.90
acetate, U.S.P., bbls., 200 lbs.lb. .23 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, for shipment during July, August, September, ton.27.25 - —
Palmitate, bbls. .....lb. .23 - .28
Phosphate, dibasic, precip., 35-42% P_2O_5, bgs., c.i.f., Atlantic ports, shipt..unit-ton. .80 - —
trifbasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0706- —
Calcium, resinate, precip., bbls., 1 ton..lb. .13 - —
smaller lots .....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS., bgs., c.l., wks..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works., 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls.,200 lbs..lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .26 - .27
Calomel, bbls., fib., dms., kgs., 50 lbs., or more..lb. 1.52 - —
Camphor, natural, powd., cs...lb. .47½- .48
slabs, cs.....lb. .48 - .48½
tablets, tins.....lb. .54 - .54½
synth, dom., tech., bbls., contract, 2,000 lbs., or more, works..lb. .35 - —
smaller lots, works....lb. .40 - —
USP, or import., gran., powd., bbls., 2,000-lb. lots....lb. .46 - —
1,000-lb. lots.....lb. .47 - —
smaller lots.....lb. .48 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs...lb. .0380- .0410
Morocco, bgs. .....lb. .04 - .04¾
Turkish, bgs. .....lb. .0380- .0410
Canella alba bark, bls.....lb. .29 - .30
Cantharides, Chinese, cs.....lb. .65 - .70
powd., bxs.....lb. .80 - .85
Russian, cs.....lb. .90 - .92
powd., bxs.....lb. 1.10 - 1.15
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .09 - .09½
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works .....lb. .34 - —
tanks, works .....lb. .32 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .06 - —
l.c.l. same basis.....lb. .06¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08¾
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½ gal. dms., c.l., frt. alld. gal. .68¼- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10 gal., dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½ gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10 gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½ gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10 gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l..frt. alld.....gal. 1.20 - —
Zone 4, 52½ gal. dms., c.l., gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10 gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4 in which case the prices indicated are based on f.o.b. cars, L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2, includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3, includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M., and Texas. Zone 4, includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.
Cardamom, bleached, cs.....lb. 1.00 - 1.50
decorticated, cs. .....lb. .71 - .72
green, bgs. .....lb. .50 - .52
Carob bean flour (see Gum, Locust bean).
Carvol, bots. .....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .10 - .11
Case-hardening mixture, 50% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .11½- .12
5 tons, works.....lb. .13 - .13½
smaller lots, works.....lb. .14¼- .14½
80-100 mesh, bgs., c.l., dlvd., lb. .12 - .12¾
5 tons, works.....lb. .13½- .14
smaller lots, works.....lb. .14¾- .15
Import, Argent., 20-30 mesh, bgs., c.l., duty paid..lb. .11½- .12¼
80-100 mesh, bgs., c.l., duty paid..lb. .12 - .12¾
French, 30 mesh, bgs., c.l., duty paid..lb. .09½ Nom.
Cassia, Batavia, 1, bgs.....lb. .15½- .16
shortstick bls.....lb. 12½ .13
broken, bls. .....lb. .09¾- .10
China, rolls, select, bls.....lb. .08 - .08¼
broken, extra, bls.....lb. .07¾- .08
Saigon, bls. .....lb. .14¾- .15¼
Cassia, buds, cs.....lb. .14½- .15
Cassia fistula, bskts.....lb. .08 - .09
Castile soap, white, bars, cs., 40 lbs.11.75 -12.50
powd., bbls.....lb. .28 - .35
Castoreum, nat., cns.....lb.13.00 -18.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5½%, ammon., bgs., c.l., works..ton.16.50 - —
import, bgs., c.i.f., ports, shipment..ton.18.00 - —
Catnep leaves, Southern, bls....lb. .18 - .20
western, bls.....lb. .20 - .21
Celery seed, French, bgs.....lb. .14 - .14½
Indian, bgs.....lb. .12 - .12¼
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., cs., 5,000 lbs. and over, frt. alld..lb. .35 - —
100 to 4,950 lbs., same basis..lb. .36 - —
less than 100 lbs., works..lb. .37 - —
Acetobutyrate, 10,000 lbs. and over..lb. .48 - —
5,000 to 9,980 lbs.....lb. .485 - —
2,500 to 4,980 lbs.....lb. .49 - —
1,000 to 2,400 lbs.....lb. .495 - —
100 to 900 lbs.....lb. .505 - .55
Acetopropionate, 10,000 lbs. and over..lb. .50 - —
5,000 to 9,980 lbs.....lb. .505 - —
2,500 to 4,980 lbs.....lb. .51 - —
1,000 to 2,400 lbs.....lb. .515- —
100 to 900 lbs.....lb. .525 - .54

Cellulose, triacetate, flake, cs., 5,000 lbs. and over, frt. alld..lb. .35 - —
100 to 4,950 lbs., same basis..lb. .36 - —
less than 100 lbs., works, lb. .37 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .21 - .27
Roman, bls.....lb. .28 - .32
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.29.00 - —
Conn., Me., Mass., N. H., R. I., Vt....ton.30.80 - —
Ill. (except river point), Minn., Neb., Wis., ton.27.00 - —
Indiana .....ton.28.00 - —
Mo., Okla., Tex. (except El Paso)...ton.25.00 - —
Kansas, El Paso, Tex., ton.26.00 - —
Michigan .....ton.29.80 - —
Ohio, Penn, ...ton.29.80 - —
Utah .....ton.86.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., wks..lb. .02 - —
l.c.l., bbls., wks.....lb. .02¼- —
tanks, wks.....lb. .01⅝- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.22.00 -25.00
powd., csks., l.c.l., ex dock, ton.35.00 - —
ex whse.....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs., lb. .83 - .92
500 lbs.....lb. .86 - .95
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
dms., 1,000 lbs.....lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorinated rubber, 5 cps., bgs., c.l., works..lb. .40 - —
ton lots, works.....lb. .42 - —
smaller lots, works.....lb. .45 - .50
10-1,000 cps., bgs., c.l., works, lb. .35 - —
ton lots, works.....lb. .37 - —
smaller lots, works.....lb. .40 - .45
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .06¼- —
contracts, dlvd., N. Y..lb. .05¼- —
l.c.l., dlvd., N.Y.....lb. .07¼- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, wks., frt. equald., 100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works..lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
160-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, comi, 180-lb. cyls., works..lb. .80 - —
100 lb. cyls., works.....lb. .85 - —
5-25 lb. cyls., works.....lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13½- —
solut., 8⅛% cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works.....ton.14.00 -15.00
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms..100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, cns.....lb. 2.25 - 2.30
Cinchona bark, quill, USP., 10 in., medium, cs..lb. .50 - .55
20 in., thick, cs.....lb. .60 - .65
20 in., medium, cs.....lb. .55 - .60
USP, broken quill, red, bgs., lb. .25 - .26
yellow, bgs.....lb. .25 - .26
Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —
large, cns.....100 ozs..oz. .87 - —
powd., cns.....100 ozs..oz. .80 - —
Sulphate, N.F., cns.100 ozs..oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns.100 ozs..oz. .54 - —
Cinchophen, USP, boxes, 5 lbs., lb. 3.75 - —
bots., 1 lb.....lb. 3.27 - —
dms., 100 lbs.....lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .14 - .14½
3 bls.....lb. .13½ - .14
Citral, bots., cns.....lb. 1.40 - 1.10
Citrine ointment, jars, tubes..lb. .78 - —
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.65
Clove, Madagascar, bls.....lb. .14¼- .14⅝
Zanzibar, bls.....lb. .16 - .16½
Clover tops, bgs.....lb. .12 - .13
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works.....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08¼- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .65 - .67
Carbonate, pwd., bgs., wks., lb. 1.25 - 1.60
Chloride, kgs., wks.....lb. .76 - 1.20
Hydrate, bbls.....lb. 1.76 - —
Linoleate, paste, 6%, dms.....lb. .31 - —
solid, 8¼%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.67 - —
Cobalt, resinate, fused A, bbls.lb. .13½- —
1%, bbls.....lb. ... -
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .24 -
Sulphate, dms.....lb. .80 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .35 - .38
Teneriffe, silver, bgs.....lb. .66 - .70
Cocoa butter, bulk, c.l., bgs...lb. .10¼- .10½
Cocillana bark, bgs.....lb. .14 - .16
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .06¼- .07
Blue, root, bls.....lb. .06 - .07
Colchicine, bots., 4 ozs.....oz.18.00 - —
single ozs.....oz.19.00 - —
Colchicum seed, bgs. .....lb. .24 - .25
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .25 - .26
Colombo root, bls.....lb. .07 - .09
Coltsfoot leaves, bgs.....lb. .08 - .09
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .17 - .18
Copaiba balsam, Para, cns.....lb. .22½- .23
S. A., USP, cns.....lb. .23½- .24
Copper acetate, normal, bbls., dlvd..lb. .21 - —
smaller containers, dlvd..lb. .23 - —
Carbonate, 52-54 pc., bbls...lb. .14 - .15
20%, bbls.....lb. .10¼- .11¼
Chloride, cryst., bbls.....lb. .12½- .13½
Cyanide, tech., bbls.....lb. .34 - —
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .10½- —
Nitrate, cryst., bbls.....lb. .1480- .1530
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, 79-80% bbls., tons, works..lb. .15 - .16
Red, com'l., 80-88%, kgs., f.o.b. N. Y..lb. .15¾- .16¾
Rosinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.19.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.45 - —
5-24, works.....100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipt.....lb. .0165 Nom.
Coriander seed, Morocco, bgs..lb. .03⅝- .04
bleached, bgs. .....lb. .06 - .06½
Corn sugar, chipped, bgs., c.l., dlvd..100 lbs. 2.89 - —
slabs, bbls., c.l.....100 lbs. 2.81 - —
solid, bbls., c.l.....100 lbs. 2.93 - —
Syrup, 42°, bbls., c.l....100 lbs. 2.92 - —
43°, bbls., c.l.....100 lbs. 2.97 - —
Cornsilk, bls.....lb. .06 - .07
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 1.82 - —
gran., powd., dms., 50 lbs. or more..lb. 1.17 - —
Cottonroot bark, bls.....lb. .10 - .11
Cottonseed hull ash, 30-32% pot-ash. bgs., dlvd..unit-ton. 1.00 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls...lb. .19 - .21
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .13¾- .14
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .22¼- —
smaller lots, bbls.....lb. .22¾- —
kgs. .....lb. .23¼- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works....gal. .13½- .14⅛
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works .....gal. .18 - .18⅛
Cresol, USP, dms., c.l., works.lb. .09½- —
l.c.l., same basis.....lb. .10 - —
special resin grade, dms., c.l., works..lb. .08¼- —
l.c.l., same basis.....lb. .08¾- —
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .24 - .25
2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .26 - .27
200 lbs. to 1,000 lbs.....lb. .27 - .28
4% rotenone prices are 4c. per lb. less.
Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.
Cubeb berries, XX, bgs.....lb. .28 - .30
powd., cs. .....lb. .30 - .31
Culver's root, bls.....lb. .14 - .16
Cumin seed, Algerian, bgs....lb. .08 - .08¼
Morocco, bgs. .....lb. No stocks.
Cutch, Philippine, extract, solid bags...lb. .04 - —
Cyanamide, 22%, N_2, pulv., bgs., dlvd., contracts, N_2, unit ton. 1.27½- —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms.,works, frt. alld., E. of Rockies..lb. .25 - —
Cyclohexanol, 98-100%, dms.,works, frt. alld., E. of Rockies..lb. .30 - —
Cyclohexanone, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .58 - —

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Damiana leaves, bls.....lb. .14 - .15
Dandelion root, German, bls...lb. .14 - .15
Deertongue leaves, bls.....lb. .09 - .10
Degras, common, dom., bbls...lb. .07 - .08
English, bbls. .....lb. .07 - .08
neutral, dom., bbls.....lb. .10 - .13
English, bbls. .....lb. .10 - .13
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28
2,000 lbs., to 10,000 lbs..lb. .26 - .30
1,000 lbs. to 2,000 lbs. lb. .28 - .32
200 lbs. to 1,000 lbs..lb. .30 - .34
4% rotenone prices are 6c. per lb. less.
Derris root, powd., contracts give no protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.
Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk cns....lb. 2.25 - 3.25
Devil's club, root bark.....lb. 1.50 - —
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.55 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.65 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.30 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.50 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.25 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.45 - —
Potato, import, bgs.....lb. .07 - .07⅝
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 - —
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd. .....lb. .21½- —
tanks, dlvd. .....lb. .20 - —
Sulphide, dms., l.c.l., works.lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works .....lb. .45 - —
Diamylene, dms., c.l., works...lb. .095 - —
l.c.l., works .....lb. .102 - —
tanks, works .....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -150.00
import, bgs., c.l., c.i.f.....ton.22.00 -23.00
Dibutylamine, dms., c.l., works, lb .50 - —
l.c.l. .....lb. .51 - .53
tanks, works .....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd. .....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works .....lb. .23½- .25½
Sebacate, dms., wks.....lb. .45 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0821- —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .24 - —
l.c.l., works .....lb. .25 - —
tanks, works .....lb. .23 - —
Diethyl carbonate, comi., dms.lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works .....lb. .14 - —
tanks .....lb. .12 - —
Diethylanilin, dms. .....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .16 - —
l.c.l., works.....lb. .17 - —
Monobutylether, dms., works..lb. .23 - .24
Monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Digitalis leaves, dms.....lb. .35 - .36
Diglycol laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .13 - —
Stearate, bbls., c.l.....lb. .20 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .07½- .08
Dimethyl phthalate, dms., c.l., dlvd..lb. .18¼- —
l.c.l., dlvd. .....lb. .19 - —
tanks, dlvd. .....lb. .17½- —
Dimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l. dlvd. .....lb. 1.05 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms. .....lb. .24 - —
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls., 30° min., lb. .13 - —
Dinitrochlorobenzene, dms....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls. .....lb. .22 - —
Dinitrotoluene, dms. .....lb. .15½- —
oily, dms. .....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms. .....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls. .....lb. .51 Nom.
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Disodium phosphate (see Soda phosphate, dibasic).
Divi-divi extract, bbls.....lb. .05⅝- .06⅜
Doggrass root, cut, bls.....lb. .11 - .12
Dogwood bark, Jamaica, bls., lb. .06 - .07
colors (numbers are those of Colour Index scale):—
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .70
reeds, thin, cs.....lb. .80 - .85
Duboisine sulphate, vis.....oz.34.50 -35.00
Dyes, coaltar, for coloring foods (certified
Blue:—
Brilliant blue FCF, cans. lb.13.50 - —
1180 Sodium indigo disulphonate, cns..lb.13.50 - —
Green:—
Fastgreen FCF, cns..lb.27.50 - —
666 Guinea green B., cns. lb.13.50 - —
670 Light green SF, yellowish, cns..lb.17.50 - —
Orange:—
150 Orange I, cns.....lb. 2.90 - —
Red:—
184 Amaranth, cns.....lb. 3.15 - —
773 Erythrosin, cns.....lb.17.50 - —
80 Ponceau 3R, cns.....lb. 6.00 - —
Ponceau 3X, cns.....lb. 5.75 - —
Yellow:—
10 Naphthol yellow S, cns.lb. 6.50 - —
Sunset yellow FCF, cns. lb. 3.15 - —
640 Tartrazin, cns.....lb. 3.15 - —
22 Yellow AB, cns.....lb. 2.65 - —
61 Yellow OB, cns.....lb. 2.65 - —

Cellulose Triacetate—Dyes

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
86 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
58 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .95 - 1.00
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
280 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B..lb. .80 - .85
328 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN.lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
449 Benzo purpurin 4B...lb. .40 - .42½
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B...lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast, black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20 p. c. paste.lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives..lb. .42 - —
Blue:—
1075 Alizarin astrol base...15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade.lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
824 Nigrosin .....lb. .40 - —
Blue:—
860 Indulin .....lb. .70 - —
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.... ....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet.....lb. .70 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R lb. .66 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.60 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
824 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Red:—
31 Amidonaphthol red G. lb. .42 - —
87 Amidonaphthol red 6B. lb. .66 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX.lb. .72 - .76
185 Cochineal red A....lb. .60 - —

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Dyes—Geranyl Acetate

Dyes, coaltar, water soluble (numbers are those of the Colour Index)
Water-soluble:—
Red:—
252 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Water-soluble:—
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow...lb. 1.25 - —
639 Xylene light yellow.lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .16 - .17
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .59 - .62
imported .....lb. .55 - —
Elder flowers, bright, bls.....lb. .19 - .21
Elecampane root, bls.....lb. .09½- .10
Elm bark, grinding, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .20 - .21
select, bndls. .....lb. .21 - .22
Emetine hydrochloride, bots..oz.13.50 -14.00
Ephedra, bls. .....lb. .08 - .09
Ephedrine, tins, 1,000 ozs....oz. 1.75 - —
tins, 100 ozs. .....oz. 1.85 - —
Hydrochloride, tins, 1,000 oz., lots..oz. 1.25 - —
tins, 100 oz., lots.....oz. 1.35 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l...lb. .06 - .09
Ergot, USP, cns., dms.....lb. 1.35 - 1.40
Eserine, bots. .....oz.35.00 - —
Salicylate, bots. .....oz.27.00 - —
Sulphate, bots. .....oz.28.00 - —
Ether, acetic (see Ethyl acetate)
Butyl, dms., c.l., dlvd.....lb. .24½- —
l.c.l., dlvd. .....lb. .25 - —
cns. .....lb. .28 - .31
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs. .....lb. .14 - —
synth., dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms. .....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .061 - —
l.c.l., frt. alld.....lb. .060 - —
tanks, frt. alld.....lb. .051 - —
95-98%, dms., c.l., frt. alld..lb. .0685- —
l.c.l., frt. alld.....lb. .0735- —
tanks, frt. alld.....lb. .0585- —
N. F., VI, 90%, dms., 400 lbs..lb. .08 - —
cns., 35 lbs.....lb. .12 - .18
USP, VIII, 95%, dms., 460 lbs. lb. .07 - —
cns., 35 lbs.....lb. .12 - —
Acetoacetate, dms., c.l., works., lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55 and 110 gal. dms., dlvd..lb. .75 - —
5 and 10 gal. dms., dlvd...lb. 1.00 - —
Formate, cns., dms.....lb. .23 - .24
Iodide, bots.....lb. 5.01 - —
Lactate, 55-gal. dms., works. lb. .33½- —
5-gal. dms., works.....lb. .37½- —
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25 lbs. lots., cns., lb. 6.00 - —
5-lb. lots .....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .48 - —
contracts, 500 lbs. or more, frt. alld..lb. .47 - —
500 lbs. or more, frt. alld., lb. .48 - —
100 to 499 lbs., frt. alld., lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0545- .0550
West of Rockies, same basis..lb. .0595- .06
l.c.l., works, E. of Rockies, frt. alld..lb. .0644- .0650
West of Rockies, same basis..lb. .0694- .07
Ethyleneglycol, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - .20
tanks .....lb. .15 - —
Monobutylether, dms., c.l., works..lb. .18 - —
l.c.l., works.....lb. .19 - .22
tanks, works.....lb. .17 - —
Monoethylether, dms.,c.l.,works, lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Monoethylether, acetate, dms., c.l., works..lb. .18 - —
l.c.l., dms. .....lb. .14 - —
tanks, works.....lb. .13 - —
Monomethylether, dms., c.l., works..lb. .17 - —
l.c.l., works.....lb. .18 - —
tanks, works.....lb. .16 - —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .57 - .59
Eucalyptus leaves, bls.....lb. .07 - .08
Eugenol, bgs., cns.....lb. 1.70 - 2.15
Euphorbia, bls.....lb. .05 - .06

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
pottery, bulk, Me., works...ton.17.00 -19.00
N.C. works .....ton.17.00 -19.00
Fennel seed, French, type, bgs., lb. .07¼- .07½
Indian, bgs.....lb. .07¼- .07½
German, large, bgs.....lb. .18 Nom.
Fenugreek seed, bgs.....lb. .03¾- .04¼
Ferric Sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .09½- —
smaller lots, works...lb. .10½- —
light, cs., 1,000 lbs. or over, works..lb. .10½- —
smaller lots, works...lb. .11½- —
water white, cs., 1,000 lbs., or over, works..lb. .11½- —
smaller lots, works...lb. .12½- —
Fir balsam, Canada ,cns....gal.10.50 -11.00
Oregon, bbls.....gal. .85 - .90
Fish berries, bgs.....lb. .08 - .09
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 2.35 & .10
11-12% ammon., 15% bone phos., bgs., f.o.b. Balto.ton.50.00 - —
wet, acidulated, 6-7% ammon., 2-4% phosphor. acid, bulk, So. Atlantic factories, contracts..unit-ton. 2.35 & .50
sardine, meal, Japanese, 11¼% ammon., bgs., c.i.f. ports, Aug., shipt..ton.46.50 - —
spot..ton.47.50 - —
Flake, white, bbls., kgs.....lb. .10¼- —
Fleaseed, French, black, bgs..lb. .09 - .09½
Indian, blonde, bgs.....lb. .05 - .05½
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.30.00 -31.60
washed gravel, 85-5, f.o.b. Ill.-Ky. mines..net ton.17.00 -18.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.18.00 -19.00
imported, 85.5, duty paid, short ton.21.50 -22.00
Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l. works.....lb. .06¼- —
dms., c.l., works.....lb. .05¼- —
l.c.l., works.....lb. .05¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .12 - .14
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.10.00 - —
import, bgs., c.l., ex dock.ton.22.00 - —
l.c.l., ex whse.....ton.30.00 - —
Furfural, refd., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., divd., lb. .15 - .16½
Fustic extract, cryst., bbls....lb. .22 - .26
liquid, bbls.....lb. .09½- .13
solid, dms.....lb. .17½- .19½

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .09 - .10
Gambier, common, cases.....lb. .06¾ Nom.
plantation, cases.....lb. .08 - .09
Cubes, Singapore, cases....lb. .08½- .08¾
extract, bbls.....lb. .06½- .09¼
Gasoline, at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06½- .06¾
65 octane and above, tanks, gal. .06½- .06¾
California, 54-56, tanks...gal. .06½- .06
Gulf Coast, U.S. Motor, bulk, gal. .05¾- —
60-62, 390 e.p., bulk, export, gal. .05¾- —
60-62, 400 e.p., bulk, export, gal. .05½- —
64-66, 375 e.p., bulk, export, gal. .05¾- —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04 - .04¼
63-66 octane, tanks....gal. .04¾- .04½
67-69 octane, tanks....gal. .04½- .04¾
70-72 octane, tanks....gal. .04¾- .05½
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal. .04½- .04¾
third grade, tanks..gal. .04½- .04¾
63-66 octane, tanks....gal. .04½- .04¾
67-69 octane, tanks....gal. .04¾- .05½
70-72 octane, tanks....gal. .05 - .05¾
natural, 12-lb. v. p., tanks, gal. .03½- .03¾
14-lb. v.p., tanks.....gal. .03½- —
18-lb. v.p., tanks.....gal. .02½- .02¾
22-lb. v.p., tanks.....gal. .02¾- —
26-70 lb. v.p., tanks....gal. .02¾- .03
below 60 octane tanks.gal. .04¼- .04¾
65 octane, tanks.....gal. .03¼- —
52-56 450 e.p., naphtha, tanks..gal. .04¾- .05
Gelatin, silver, cs.....lb. .42 - .43
Gelsemium root, bls.....lb. .10 - .11
Gentian root, bls.....lb. .07 - .07½
grd., bbls., bxs.....lb. .09½- .10
powd., bbls., bxs.....lb. .10½- .11
Geraniol, cns., dms.....lb. .67 - 2.00
Geranyl acetate, bots., dms...lb. 1.20 - 2.60

For Extra Brilliance in Tints

To achieve striking brilliance in green tints, formulators are using Lavanburg's No. 3580 Phthalocine Green Lake.

This color pigment possesses excellent light fastness in tints and resistance to acids. It is alkaliproof and is insoluble in all solvents and non-bleeding in oils. This combination of properties makes No. 3580 an outstanding favorite in the trade.

For over half a century Lavanburg has been supplying formulators with products of the highest quality based on extensive research and experimentation in the field of chemical colors. No. 3580 substantiates this reputation for excellence. Your inquiries concerning the application of Lavanburg colors are invited.

**Trade Name for Lavanburg Phthalocyanine Greens and Blues*

FRED. L. LAVANBURG COMPANY, INC.

Chemical Color Division of Reichhold Chemicals, Inc.

Factory: BROOKLYN, NEW YORK General Offices: DETROIT, MICH.

Ginger root, African, bgs.....lb. .04½- .04⅝
Cochin, lemon, bgs.....lb. .06½- .07
Jamaica, bold, bgs.....lb. .12 - .13
grinding, bright, bgs...lb. .07¼- .07½
medium, bgs.....lb. .09½- .10
Japanese, bgs. .....lb. .06⅝- .06¾
Ginseng fibers, cs. .....lb. 1.75 - 3.00
Root, cultivated, cs.....lb. 6.00 - 7.00
wild, Southern, cs.....lb.10.00 -14.00
Glauber's salt, anhyd. (See Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.10
5 tons or over, works... 100 lbs. 1.05 - 1.25
less than 5 tons, works.. 100 lbs. 1.15 - 1.35
import., bgs. .....100 lbs. 1.05 - 1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
36/58, bgs., c.l., dlvd....lb. .11 - —
l.c.l., dlvd.....lb. .11½- —
58/82, bgs., c.l., dlvd....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
82/106, bgs., c.l., dlvd....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis.....lb. .17 - —
97/122, bgs., c.l., same basis, lb. .17½- —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19½- —
88/261, bgs.,c.l.,same basis.lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/283, bgs.,c.l.,same basis.lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .22 - —
113/347, bgs., c.l., same basis..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
130/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb higher, grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, C.P., cns., l.c.l.....lb. .14½- .15
dms., c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12¼- —
dynamite, dms.....lb. Nominal.
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd.lb. .09 - —
l.c.l., same basis....lb. .09½- .10
tanks .....lb. .08¾- —
for refiners, dms., returnable, tanks, dlvd..lb. .08¾- .08⅞
soaplye, basis 80%, dms., tanks, returnable, dlvd..lb. .07¾- .07⅞
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .24 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs.....lb. .11 - .12
Goldenseal, root, bls.....lb. 3.25 - 3.30
powd., bxs.....lb. 3.35 - 3.40
Grains of paradise, bgs.....lb. .33½- .34
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon, bgs.. c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., amorph., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works....lb. .02½- —
65% graphitic, carbon, bbls., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease, house, loose.....lb. .04 - .04½
White .....lb. .04½- .04¾
Yellow .....lb. .04 - .04½
Wool (see Adeps lanae and Degras).
Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis..lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - -
reduced, C.P., color content up 5%, same basis..lb. .06 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.). Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, C.P., color content up 5%, same basis..lb. .06 - —
6-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07½- —
14-16%, bbls., same basis.lb. .07¼- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls. same basis. lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14½- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17½- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¾- —
66-70%, bbls., same basis.lb. .19½- —
71-75%, bbls., same basis.lb. .20¼- —
Oxide, doms., pure, bbls...lb. .23 - —
ceramic, light shades, bbls., c.l., works..lb. .23 - —
l.c.l., works .....lb. .30 - —
standard grade, bbls., works..lb. .21 - .23
Chrome, tetrahydroxide, bbls.lb. .35 - —
Paris (see P).
Tungstated, brilliant, bgs....lb. 2.50 - —
emerald, bgs.....lb 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .08 - .09
Guaiac resin, cs.....lb. .27 - .28
strained, cs.....lb. .75 - .80
Wood, bls. .....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.85 - 1.91
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Guarana, powd., cs.....lb. 1.00 - 1.05
Gum, aloe (see A).
Ammoniac, tears., cs.....lb. .85 - .90
Arabic, amber sorts, cleaned, bgs..lb. .10¼- .10⅝
white sorts, 1, bgs.....lb. .23 - .24
2, bgs. .....lb. .21 - .22
powd., bbls.....lb. .12½- .13⅛
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .17 - .18
Camphor (see C).
Chicle, prime, 32% moisture, bgs., ten lots..lb. .29 - .30
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran....lb. .34½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (50,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.
Congo 2, cloudy, white, bgs., c.l., same basis..lb. .26½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .17½- —
4, pale bold straw, bgs., c.l., same basis..lb. .18½- —
5, pale, straw bold, bgs., c.l., same basis..lb. .14½- —
6, pale amber bold, bgs., c.l., same basis..lb. .14¾- —
7, pale, straw bold, bgs., c.l., same basis..lb. .11¾- —
8, light amber bold, bgs., c.l., same basis..lb. .11½- —
9, medium light amber, bold, bgs., c.l., same basis..lb. .09½- —
10, rescraped, hard amber bold, bgs., c.l., same basis, lb. .09¼- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .07½- —
12, selected, bold sorts, bgs., c.l., same basis..lb. .06½- —
13, dark sorts bold, bgs., c.l., same basis..lb. .05½- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .15⅝- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .06⅝- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05⅝- —
17, pale, fingers, bgs., c.l., same basis..lb. .14½- —
18, pale straw nubs, bgs., c.l., same basis..lb. .11⅜- —
19, pale straw nubs, bgs., c.l., same basis..lb. .11½- —
c.l., same basis..lb. .11¼- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .08¼- —
21, ordinary selected nubs, c.l., same basis..lb. .06⅜- —
22, small mixed nubs, bgs., c.l., same basis..lb. .06½- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .06¼- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .12⅜- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb. .06¼- —
26, pale, bold chips, bgs., c.l., same basis..lb. .08 - —
27, pale small chips, bgs., c.l., same basis..lb. .05⅝- —
28, pale dust, bgs., c.l., same basis..lb. .04½- —
Batu, bold, scraped, bgs., c.l., same basis..lb. .05 - —
unscraped, bgs c.l. same basis..lb. .04 - -
chips, bgs., c.l., same basis, lb. .04 - —
dust, bgs., c.l., same basis..lb. .03½- -
nubs and chips, bgs., c.l., same basis..lb. .04 - —
black, bold, scraped, bgs., c.l., same basis..lb. .06⅜- —
unscraped, bgs., c.l., same basis..lb. .04½- —
nubs and chips, bgs., c.l. same basis..lb. .04½- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis..lb. .11⅜- —
chips, bgs., c.l., same basis..lb. .05⅝- —
dust., bgs., c.l., same basis..lb. .03⅜- —
nubs, bgs., c.l., same basis..lb. .03½- —
Singapore, Ramak, bold, bgs., c.l., same basis..lb. .14 - —
chips, bgs., c.l., same basis, lb. .06⅛- —
dust, bgs.,c.l.,same basis.lb. .03⅝- —
nubs, bgs., c.l., same basis, lb. .03⅜- —
Manila, Borneo, amber and dark, bakts., c.l., same basis..lb. .11½- —
light, bakts., c.l., same basis..lb. .13⅜- —
Loba A, bakts., c.l., same basis..lb. .10½- —
B, bakts..c.l.,same basis.lb. .10⅛- —
C, bakts., c.l., same basis, lb. .09¾- —
CNE, bakts., c.l., same basis..lb. .06½- —
D, bakts., c.l., same basis, lb. .08⅜- —
DK, bakts., c.l., same basis, lb. .06¼- —
dust, bakts.,c.l., same basis, lb. .05¼- —
Sambas and white split chips, bakts., c.l., same basis..lb. .14 - —
Singapore, dust., bakts., c.l., same basis..lb. .05¼- —
spirit-soluble, CBE, bakts., basis..lb. .08½- —
DBE, bakts., c.l. same basis..lb. .07⅛- —
MA, bakts., c.l., same basis, lb. .06½- —
MB, bakts., c.l., same basis, lb. .05¾- —
WE, bakts., c.l., same basis, lb. .07⅞- —
Philippine, Manila, amber sorts, bakts., c.l., same basis..lb. .06½- —
chips, pale, bakts., c.l., same basis..lb. .06¼- —
chips, pale, small, bakts., c.l., same basis..lb. .07⅝- —
extra pale sorts, bakts., c.l., same basis..lb. .08⅝- —
nubs, bakts., c.l., same basis..lb. .10⅜- —
pale, scraped, bakts., c.l., same basis..lb. .11⅜- —
seeds and dust, bakts., c.l., same basis..lb. .05½- —
Gum, copal, pontianak, bold., genuine, bgs., same basis..lb. .15¼ —
mixed, bgs., c.l., same basis..lb. .13⅜- —
split, bgs., c.l., same basis, lb. .12 - —
chips, bgs., c.l., same basis, lb. .07¼- —
nubs, bgs., c.l., same basis, lb. .10½- —
Dammar, Batavia, A, cs, c.l., same basis as copal..lb. .20 - —
A/D, cs., c.l., same basis.lb. .12⅜- —
A/E, cs., c.l., same basis.lb. .11⅞- —
B, cs., c.l., same basis..lb. .18½- —
C, cs, c.l., same basis.....lb. .13½- —
D, cs., c.l., same basis...lb. .12¾- —
dust., cs., c.l., same basis.lb. .05⅝- —
E, cs., c.l., same basis...lb. .07¾- —
F, cs., c.l., same basis...lb. .07¼- —
Singapore 1, cs., c.l., same basis..lb. .12⅜- —
2, cs., c.l., same basis....lb. .10⅝- —
3, cs., c.l., same basis....lb. .09⅜- —
chips, cs., c.l., same basis.lb. .09¼- —
dust., cs., c.l., same basis, lb. .05⅝- —
seeds, cs., c.l., same basis, lb. .07⅝- —
Elemi, cns., c.l., same basis as copal..lb. .25¼- —
Kauri, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contra. or single shipt., 10,000 lbs., lb. .06½- .06⅝
less than 10,000 lbs., same basis..lb. .06½- .07
dlvd., western N.Y., and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contra. or straight c.l. .....lb. .06¾- .07
l.c.l., same basis.....lb. .07 - .07½
dlvd., elsewhere, 75,000 lbs., contra. or straight, c.l..lb. .07 - .07½
l.c.l., same basis.....lb. .07½- .07¾
Euphorbium, cs. .....lb. .22 - .23
Galbanum, cs. .....lb. 1.00 - 1.50
Gamboge, pipe, cs.....lb. .55 - .60
powd., bbls.....lb. .60 - .65
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs. .....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .14 - .23
Kauri, brown, XXX, cs., c.l., lb. .00 - —
BX, cs., c.l., same basis..lb. .33 - —
B1, cs., c.l., same basis..lb. .30 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, cs. c.l., same basis..lb. 19¼- -
pale, XXX, cs, same basis..lb. .61 - —
A, cs., c.l., same basis..lb. .41 -
2, cs., c.l., same basis..lb. .34 - —
3, cs., c.l., same basis..lb. .17½- —
Kino, tins .....lb. 3.50 Nom.
Locust bean, powd., bbls.....lb. .16 - .30
Mastic, cs., c.l., same basis as copal..lb. .55 - .56
Myrrh, USP, cs.....lb. .39 - .40
Olibanum, cs. .....lb. .07½- .21
Opium (see O)
Rosin (see R)
Sandarac, cks., c.l., same basis as copal..lb. .27 - .28
Scammony, cs. .....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .25 - .27
sorts, bgs. .....lb. .10¼- .10⅝
Talha, bgs.....lb. .07½- .08
Thus, bbls. .....280 lbs.14.50 -14.75
Tragacanth, Alleppo, 1 cs...lb. 2.25 - 2.85
2, cs. .....lb. 1.90 - 1.95
3, cs. .....lb. 1.60 - 1.65
flake, bgs. .....lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal..lb. .03½- —
powd., bgs., c.l., same basis.lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equal..ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00- —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald. ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.14.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
Acme, Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 3.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock....ton.27.50 - —

H

Hawthorn berries, bgs.....lb. .20 - .21
Heliotropin, cryst., cns.....lb. 1.80 - 2.20
Hellebore, white, root, powd., bbls.lb. .11½- .12
Helonias root, bls.....lb. .53 - .55
Hematine crystals, bbls.....lb. .18 - .26
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03 - —
l.c.l., bbls., works.....lb. .03½- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .05½- .06
Henbane leaves, bls.....lb. .15 - .16
Henna leaves, bls.....lb. .08 - .09
powd., bbls, bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .80 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs., or more, shipments, same basis, lb. .32 - —
fib., ctns., same basis....lb. .40 - —

Ginger Root—Isopropyl Ether

Hematropine hydrobromide, bots., 25 ozs. .....oz.13.00 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago unit-ton. 2.50 - —
Hops, N. F., bls.....lb. .15 - .20
Horehound, bls.....lb. .08 - .09
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.15.25 - —
cns., 16 ozs. .....oz.15.00 - —
Hydrochloride, bots., 4 ozs...oz.15.25 - —
cns., 16 ozs. .....oz.15.00 - —
Sulphate, bots., 4 ozs.....oz.16.25 - —
cns., 16 oz. .....oz.16.00 - —
Hydrastis (see Golden seal).
Hydrofluramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03½- .04
100 vols., cbys., E. of Miss. R.lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.14.60 -15.00
Hyoscyamine, bots. .....oz.10.00 - —
Hydrobromide, bots. .....oz.10.00 - —
Sulphate, bots. .....oz.10.00 - —
Hypernic, crbys., bbls.....lb. .25 - —
ext., bbls. .....lb. .13 - —

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs.....lb. 1.07 - —
less 5%, kgs., 150 lbs...lb. 1.07 - —
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals.gal. 1.70 - —
cbys., 5 gals.....gal. 1.75 - 1.80
mild, bbls., 47 gals.....gal. .95 - —
cbys., 5 gals.....gal. 1.00 - 1.05
Iodoform, dms., 100 lbs.....lb. 3.95 - —
jars, 25 lbs.....lb. 4.05 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.05 - 1.10
powd., bxs. .....lb. 1.15 - 1.20
Irish moss, ordinary, bls.....lb. .09 - .10
powd., 80-90 mesh, bbls...lb. .20 - .30
prime, bleached, bls.....lb. .17 - .21
Iron acetate, N. F. IV, cbys, 100 lbs..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .02 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 300-lb. dms.....100 lbs. 4.65 - 5.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equld..lb. .07½- .09
Acetate, liquor, cbys., works, frt. alld. or equld..lb. .05 - .09
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
USP solut., cbys., works, frt. alld. or equld..lb. .06½- .07
djns .....lb. .07¾- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots .....lb. 2.97 - —
cns., 25 lbs.....lb. 3.00 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.99 - —
syrup, djns.....lb. .37 - .38
bots .....lb. .52 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns..lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .80 - .85
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., bbls., 275 lbs..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .42 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .096 - —
W. of Rockies, frt. alld..lb. .10 - —
55 gls., c.l., E. of Rockies, frt. alld..lb. .091 - —
W. of Rockies, frt. alld, lb. .094- —
l.c.l., E. of Rockies, frt. alld..lb. .096 - —
W. of Rockies, frt. alld, lb. .07 - —
tanks, E. of Rockies, frt. alld., lb. .091 - —
W. of Rockies, frt. alld..lb. .095- —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld. gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
W. of Miss., frt. alld., gal. .39 - —
l.c.l., E. of Miss., frt. alld..gal. .40 - —
W. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .28 - —
W. of Miss., frt. alld., gal. .30 - —

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XUM

Jaborandi—Methyl Acetone

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .14½- .17
powd., bbls., bxs.....lb. .19 - .23
Juniper berries, bgs.....lb. .05 - .05½

K

Kamala, tins .....lb. .20 - .22
Kaolin (see China Clay).
Kava kava root, bls.....lb. .12½- .13
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .04½- .04⅝
Gulf ports, p.w., bulk....gal. .03⅝- .03⅝
w.w., bulk..gal. .03⅞- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04 - .04⅛
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03⅞- .04¼
42-44 w.w., tanks.....gal. .04⅛- .04⅜
Pennsylvania, 45 w.w., tanks gal. .04⅝- .04⅞
46 w.w., tanks.....gal. .04¾- .05
47 w.w., tanks.....gal. .04⅞- .05⅛
Kerosene, tankwagon:—
Atlanta .....gal. .12 - —
Boston .....gal. .08 - —
Chicago .....gal. .10 - —
Cincinnati .....gal. .13 - —
Denver .....gal. .11½- —
Louisville .....gal. .10 - —
Minneapolis .....gal. .104 - —
New Orleans .....gal. .11 - —
New York .....gal. .08¾- —
San Francisco .....gal. .11½- —
Kerosene distillate-(see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .07 - .08

L

Lady slipper root, bls.....lb. .38 - .40
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 5.75 - 6.00
Middlewestern, trcs....100 lbs. 5.85 - 5.95
Neutral, trcs.....100 lbs. 7.00 - 7.25
Western, choice, trcs..100 lbs. 5.90 - 6.00
Compound, trcs.....100 lbs. 8.75 - 9.00
Larkspur seed, bgs. .....lb. .33 - .34
Laurel berries, bls.....lb. .09 - .10
Leaves, Greek, bls.....lb. .04 - .04½
Lavender flowers, ordinary, bls..lb. .25 - .27
medium, bls.....lb. .30 - .31
select, bls.....lb. .35 - .40
Lead acetate, white, broken, bbls..lb. .10 - —
cryst., bbls.....lb. .10 - —
gran., bbls.....lb. .10¾- —
powd., bbls.....lb. .10¾- —
Arsenate, bgs., c.l., dealers..lb. .10 - .11
l.c.l., bgs., dealers.....lb. .1015- .11½
Lead arsenate prices are works or whse basis. frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E...lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06½- —
L.c.l., dlvd., E.....lb. .06⅝- —
l.c.l., dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
5lb., dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.67 - —
Jars .....lb. 2.55 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report)
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .10 - .13
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash...lb. .0785- —
other points.....lb. .0760- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss, Okla., Tex., and W. of Cascade Mts. in Ore. and Wash...lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts in Ore. and Wash..lb. .08¾- —
Colo., Mont., N Mex Wyo..lb. .08½- —
other points.....lb. .08 - —
smaller lots, etc.....lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
97%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc. lb. .0810- —
other points.....lb. .0785- —
L.c.l., 5 tons, dlvd., Ala etc..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
smaller lots, dlvd., Ala etc..lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
95%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc..lb. .0835- —
other points.....lb. .0810- —
L.c.l., 5 tons, dlvd., Ala etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
smaller lots, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09⅜- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
In oil, 80% min., 100-lb. kgs., lb. .12½- —
Resinate, fused, 15%, bbls...lb. .09½- —
pale, bbls. .....lb. .11¼- —
precip., bbls. .....lb. .16¼- —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white, basic sulphate).
Lead, titanate, bbls., c.l. (20 tons). works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. St., ex whse....lb. .10¼- —
smaller lots, E. frt. alld. lb. .10¼- —
Pac. Cst., ex whse....lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc..lb. .07¼- —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06½- —
other points.....lb. .06¼- —
basic sulphate, l.c.l., dlvd., Ariz., etc..lb. .06⅝- —
other points.....lb. .06¼- —
in oil, 100-lb. kgs., consumers..lb. .12¼- —
dealers .....lb. .10¼- —
painters .....lb. .11¼- —
Lecithin, 100%, cns., f.o.b., N. Y., or Chi....lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dms., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .55 - —
l.c.l., same basis.....lb. .57½- .75
grades 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —
l.c.l., same basis.....lb. .42½- .60
Lecithin prices quoted above are for goods packed in 25, 50, or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.
Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .24 - .25
Root, bls.....lb. .04½- .05
powd., bbls., bxs.....lb. .07 - .08
select, bndls., cs.....lb. .15 - .17
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass. ....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn. ....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton. 13.00 - —
Ripplemead, Va. ....ton. 7.00 - —
Riverton, Va. ....ton. 7.00 - —
San Francisco, Cal..ton. 13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bgs., f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton. 10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa...ton. 9.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, O.....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton. 10.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton. 14.50 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton. 12.00 - —
Ripplemead, Va. ....ton. 9.00 - —
San Francisco, Cal..ton. 16.00 - —
Springfield, Mo. .....ton. 9.00 - —
Woodville, Ohio.....ton. 9.50 - —
York, Pa..... .....ton. 9.50 - —
spray, paper bgs., f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton. 11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonberg, Ohio.....ton. 11.00 - —
Marblehead, Ohio....ton. 11.00 - —
Scioto, Ohio.....ton. 10.00 - —
Woodville, Ohio.....ton. 11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms, same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, zone 1, dms., consumer gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, dlvd., gal. .11½- —
30-50 dms.....gal. .14 - .18
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers.....gal. .08½- —
30-50 dms.....gal. .11 - .15
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.
Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns., 25 lbs...lb. 1.35 - 2.25
Linden flowers, with leaves, bls.lb. .26 - .27
without leaves, bls.....lb. .18 - .19
Linseed, cake, bgs., export...ton. 26.00 - —
Meal, 34%, bgs.....ton. 37.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0660- —
dlvd., other points....lb. .0635- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.....lb. .07 - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .07½- —
Colo., Mont., N. Mex., Wyo..lb. .07 - —
other points.....lb. .06¾- —
smaller lots, dlvd., Ala., etc. lb. .07½- —
Ariz., etc.....lb. .08 - —
Colo., etc.....lb. .07¾- —
other points.....lb. .07¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb., bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Fluoride, bbls. .....lb. 2.10 - 2.25
Lithopone, dom., high-strength, bgs., c.l. (20 tons)..lb. .05¼- —
smaller lots.....lb. .05½- —
bbls., c.l. (20 tons).....lb. .05½- —
smaller lots .....lb. .05¾- —
ordinary, bgs., c.l., (20 tons) lb. .03¾- —
smaller lots .....lb. .04 - —
bbls., c.l., (20 tons).....lb. .04 - —
smaller lots .....lb. .04¼- —
titanated, bgs., c.l. (20 tons) lb. .05¼- —
smaller lots .....lb. .05½- —
bbls., c.l. (20 tons)....lb. .05½- —
smaller lots .....lb. .05¾- —
Lithopone in car lots is delivered East or the Pacific Coast and in less than car lot quantities delivered East or ex warehouse Pacific Coast.
Liverwort leaves, bls.....lb. .20 - .21
Lobelia herb, bls.....lb. .11 - .12
Seed, bgs. .....lb. .34 - .35
Logwood extract, cryst., bbls..lb. .18 - .22
liquid, 51°, bbls.....lb. .09½- .11½
solid, bxs. .....lb. .15 - .19
Lovage root, dom., bls.....lb. .34 - .35
import, bls. .....lb. .30 - .35
Lupulin, N. E., tins.....lb. 1.50 - 1.55
Lycopodium, cs. .....lb. 1.15 - 1.20

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Mace, Banda, cs.....lb. .51 - .52
Batavia, cs.....lb. .31 - .32
Siauw, cs.....lb. .40 - .42
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
1, bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09½- —
USP, zone 1, bbls., c.l.....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l. .....lb. .09¾- —
l.c.l. .....lb. .10½- —
Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del. and Md. C.l., shipments, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b., Plymouth Meeting House. Zone 2, balance of U. S.; prices f.o.b., Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.
Chloride, flake, dom., bbls., wks., c.l..ton. 32.00 - —
l.c.l., bbls., wks.....ton. 39.00 - 42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs. .....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls. .....lb. .09½- .10½
Stearate, bbls., ctns., c.l.....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs. .....lb. .23 - —
smaller lots .....lb. .24 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton. 56.00 - 60.00
Import, bgs. .....ton. 56.00 - 60.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton. 25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots...lb. .58 - —
100-lb. lots .....lb. .55 - —
cns. .....lb. .75 - .80
Malva flowers, black, bls.....lb. .35 - .45
blue, bls. .....lb. .35 - .45
Leaves, bls. .....lb. .11 - .12
Manaca root, bls.....lb. .17 - .18
Mandrake root, bls.....lb. .09 - .10
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs. .....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls. .....lb. .19 - —
Chloride, bbls. .....lb. .08¼- .08½
Dioxide, African, battery, 84-87%, bgs, 28-40 tons, works..ton. 54.50 - —
5-15 tons, works.....ton. 57.50 - —
¼-4 tons, works.....ton. 62.50 - —
300-600 lbs., works..ton. 72.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton. 51.50 - —
l.c.l., 5 tons, works...ton. 54.50 - —
smaller lots, works..ton. 59.50 - —
burlap bgs., c.l., works.ton. 49.25 - —
l.c.l., 5 tons, works, ton. 52.25 - —
smaller lots, works.ton. 57.25 - —
paper bgs., c.l., works.ton. 47.50 - —
l.c.l., 5 tons, works..ton. 50.50 - —
Manganese, glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.01 - —
smaller lots .....lb. 2.71 - —
cns., 25 lbs.....lb. 2.85 - —
solut., djns., 1,000-lb. lots..lb. .61 - —
smaller lots.....lb. .71 - —
cns., 25 lbs.....lb. .81 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.45 - —
jars, 25 lbs.....lb. 5.30 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, 50-52% basis, bbls., c.l., Alt. ports..unit-ton. .29 Nom.
Resinate, fused, 8½%, bbls..lb. .08½- .09½
precip., dms.....lb. .13 - —
Sulphate, anhyd., bbls., works, lb. .07 - .07½
cryst., 65%, $MnSO_4$, bgs., c.l., dlvd., South..ton. 48.75 - —
l.c.l., bgs.....ton. 55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory, unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .08½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt...ton. 25.00 - 26.00
Manna flake, large, cs.....lb. .48 - .49
small, cs. .....lb. .24 - .25
Mannitol, reagent, pure cryst., cs., works..lb. .95 - 1.00
commercial, cryst., bbls., ton lots, works..lb. .42 - —
smaller lots, works.....lb. .50 - —
Marble flour, bgs.....ton. 12.00 - 14.00
Marjoram, French, bls.....lb. .23½- .24
Tunisan, bls. .....lb. .21 - .21½
Chilean, bls. .....lb. .14 - .14½
Matico leaves, bls.....lb. .21 - .22
Menthol, USP, natural, cs.....lb. 2.85 - 2.95
synthetic, tech., cs.....lb. 2.25 - —
USP, cs.....lb. 3.00 - —
liquid, dms., 50 lbs.....lb. 1.25 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. .85 - —
25 lbs.....lb. .87 - —
50%, pails, 50 lbs.....lb. 1.23 - —
25 lbs.....lb. 1.25 - —
Mercury (see Quicksilver).
Ammoniated (see white precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 1.90 - 1.94
flb., dms., 100 lbs.....lb. 1.77 - —
jars, 25 lbs.....lb. 1.79 - —
Chloride (see Calomel).
Iodide, red, N.F., bots., 5 lbs..lb. 3.81 - 3.85
cns., 25 lbs.....lb. 3.70 - 3.75
flb., dms., 100 lbs.....lb. 3.70 - 3.75
yellow, bots., 5 lbs.....lb. 3.91 - 3.95
cns., 25 lbs.....lb. 3.80 - —
flb., dms., 100 lbs.....lb. 3.80 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, N.F. (see Red precipitate).
tech. (See Red, mercury oxide).
Yellow, dom., tech., bbl...lb. 1.51 - —
USP, flb. dms., 50 lbs. or more..lb. 2.03 - —
Mercury and chalk, etns., 5 lbs., lb. 1.29 - —
flb., dms., 25 lbs.....lb. 1.17 - 1.22
Mesityl oxide, cns., works.....lb. .16 - .18
dms., c.l., dlvd.....lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10¾- —
Metal leaf, pkgs., of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5¼x5¼ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in..pkg. 15.25 - 15.75
23K, 3⅜x3⅜ in.....pkg. 16.15 - 17.50
4x4 in.....pkg. 19.50 - 20.00
3¾x3¾ in.....pkg. 22.50 - 23.00
3⅞x3⅞ in.....pkg. 24.50 - 25.00
Silver, 3¾x3¾ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.30 - —
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .32 - —
95%, tanks.....gal. .31 - —
Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums, car lots.
synth., pure, dms., c.l., Zone 1, frt. alld..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd., gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .60 - —
tanks, Zone 1, frt. alld..gal. .33 - —
2, frt. alld.....gal. .35¼- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —
Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md. Mass. Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10¼- —
W. of Miss. R.....lb. .11¼- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd., E. of Miss. R. lb. .09¾- —
W. of Miss R.....lb. .10¾- —
tech., dms., c.l., dlvd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd. E. of Miss., R..lb. .07¼- —
W. of Miss R. .....lb. .08¼- —
tanks, dlvd. E. of Miss. R., lb. .06 - —
W. of Miss. R. .....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, tanks.....gal. .28 - —
Methyl acetone in drums, car lots, is 5c. per gal. higher, frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.
Methyl acetone, synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .38 - —
2, frt. alld. E. of Rockies, gal. .41 - —
3, Pacific Coast.....gal. .42 - —
4 .....gal. .44 - —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .41 - —
2, frt., alld. E. of smaller lots, works..ton. 57.25 - —
paper bgs., c.l., works.ton. 47.50 - —
l.c.l., 5 tons, works..ton. 50.50 - —
2, frt., alld. E. of Rockies..gal. .475 - —
3, Pacific Coast.....gal. .45 - —
4 .....gal. .005 - —

Methyl acetone, synth., tanks, Zone 1, frt. alld. E. of Rockies..gal. .315 - —
2, frt. alld. E. of Rockies, gal. .34 - —
3, Pacific Coast.....gal. .35 - —
4 .....gal. .355 - —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash., N. Mex.

Alcohol (see Methanol).

Anthranilate, bots.....lb. 2.10 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.20
Bromide, cyl. .....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders.lb. .32 - —
service men and consumers, cyl..lb. .36 - —
50 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 30-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.....lb. 1.85 - 2.00
Formate, dms. .....lb. .25 - .50
Lactate, dms., l.c.l., divd..lb. .30 - —
Iodide, bots.....lb. 2.68 - 2.80
Salicylate, dms.....lb. .35 - .37
cns. .....lb. .37 - .40
Violet toner, bbls.....lb. .28 - —
permanent, bbls. .....lb. .90 - —
Methylamyl ketone, dms., works, l.c.l..lb. .35 - —
smaller containers, same basis, lb. .28 - —
Methylcyclohexane, 98-100% dms., works, frt. alld., E. of Rockies..lb. .25 - —
Methylcyclohexanol, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .30 - —
Methylcyclohexanone, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .58 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .26
Methylethyl ketone, dms., c.l., frt., pd., E. of Rocky Mts..lb. .06 - —
l.c.l., same terms.....lb. .06½- —
tanks, same terms.....lb. .05 - —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb. 23.00 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .76 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp. bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l..lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
roofing, bags., extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works, ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1, quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works.ton..29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - -
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E.....lb. .04¼- —
l.c.l., ex-whse., or frt. alld., E..lb. .04¾- —
paper, wall or coated, bgs., c.l., frt. all., E..lb. .04¼- —
l.c.l., ex-whse., or frt. alld., E..lb. .04⅝- —
rubber, bgs., c.l., frt. alld. E..lb. .04 - —
l.c.l., ex-whse., or frt. alld., E...lb. .04½- —

wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls.,c.l.lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l. .....lb. .16 - —
l.c.l. .....lb. .17 - —
Millet seed, yellow, bgs.....lb. .0350-.0375
early fortune, bgs.....lb. .0250-.0300
hulled, bgs. .....lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b., No. Atlantic ports..gal. .04½- —
f.o.b., New Orleans....gal. .03¼- —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works .....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., works lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms. .....lb. .25 - —
tanks .....lb. .23 - —
Monoethylaniline, dms. .....lb. .77 Nom.
Monomethylamine, dms., c.l., divd..lb. .65 - —
l.c.l., divd. .....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs. .....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs. .....oz. 8.80 - —
Ethylhydrochloride, bots. 5 ozs., oz.10.75 - —
cns., 25 ozs. .....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Morphine, sulphate, bots., 5 ozs. oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein flowers, cns.....lb. .75 - .80
Leaves, bls. .....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs., or more..lb. 3.00 - —
5 lbs. to 75 lbs.....lb. 3.25 - —
1 lb. .....lb. 3.40 - —
ketone, cns., 100 lbs. or more, lb. 3.40 - —
5 lbs. to 75 lbs.....lb. 3.65 - —
1 lb. .....lb. 3.80 - —
xylol, cns., 100 lbs., or more, lb. .90 - —
5 lbs. to 75 lbs.....lb. 1.00 - —
1 lb. .....lb. 1.15 - —
Musk root, bls.....lb. .11 - .14
Mustard seed, Bombay, brown, bgs..lb. .04¼- .04⅝
California, brown, bgs.....lb. .05¾- .06¼
Chinese, yellow, bgs.....lb. .05¾- .06¼
Danish, yellow, bgs.....lb. .08⅝- .09¼
Dutch, yellow, bgs.....lb. .08¼- .08½
English, yellow, bgs.....lb. .09¾- .09¾
Roumanian, yellow, bgs...lb. .05½- .06⅛
Myrobalans, J1, bgs., shpt...ton.24.00 - —
J2, bgs., shpt.....ton.19.00 - —
R2, bgs., shipt.....ton.16.75 Nom.
Extract, liquid, 25%, bbls....lb. .03¾- —
solid, 50% bbls.....lb. .04¼- —
powdered, 70% bbls.....lb. .05 - —

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works, 100 lbs. 2.25 - —
bgs., bbls., l.c.l., works, 100 lbs. 2.50 - 2.60
78 deg., bgs., c.l., works., 100 lbs. 2.50 - —
l.c.l., works .....100 lbs. 2.75 - 2.85
import, bgs., Atl. ports.100 lbs. 1.55 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.....lb. .05¾- —
50-lb., cs., same basis..lb. .06 - —
pkgs. (16 oz.), same basis, lb. .06½- —
(12 oz.) same basis..pkg. .05¼- —
chipped, crushed, bbls., same basis..lb. .05¼- —
rice, cryst., powd., bbls., same basis..lb. .05⅝- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .70 - —
10-lb., tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls., lb. .28 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works....lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.2158- —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., divd.....unit-ton. 1.90 - —
f.o.b. Chemical, Ill., unit-ton. 1.90 - —
East Coast producing points, unit-ton.. 2.30 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.40 - —
Nitronaphthalene, bbls.....lb. .24 - .26
Nutgalls, Alleppo, bgs., cs ..lb. .22 - —
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .19¼- —
110s, bgs., cs.....lb. .16¼- .16½
West Indian, bgs.....lb. .09¼- .09½
Nux vomica, bls.....lb. .03¾- .04
powd., bbls., bxs.....lb. .06 - .07

O

Oakbark extract, 25% tan., bbls., c.l., wks..lb. .03½- —
l.c.l., bbls., wks.....lb. .03⅝- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.S..gal. .12½- —
l.c.l., G.3 .....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l., works.lb. .16 - —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots. .....lb. 1.90 - 2.00
s.p.a., bots. .....lb. 1.95 - 2.05
sweet, true, exp., cns.....lb. .56 - .57
Amber, crude, cns.....lb. .19 - .20
ref'd, cns. .....lb. .50 - .51
Amyris, cns. .....lb. 3.00 - 3.25
Angelica root, bots.....lb.40.00 -45.00
seed, bots. .....lb.70.00 -80.00
Anilin (see A).
Oil, anise, USP, cns., dms.....lb. .63 - .66
Apricot, kernels, cns.....lb. .28 - .32
Babassu, tanks.....lb. .03⅞- —
Bay, W. I., 50-55% phenols, cns..lb. 1.05 - 1.10
55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers .....lb. 3.65 - 3.85
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .15 - .18
rectified, cns.....lb. .60 - .65
Bois de rose, Brazil, cns.....lb. 1.45 - 1.50
Cayenne, cns.....lb. 1.50 - 1.75
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .44 - .46
USP IX, cns.....lb. .50 - .52
Calamus, cns.....lb. 5.50 - 6.00
Camphor, sassafrassy, cns...lb. .30 - .31
dms. .....lb. .28 - .29
white, cns.....lb. .36 - .37
dms. .....lb. .34 - .35
Cananga, native, cns.....lb. 1.05 - 1.25
rectified, cns.....lb. 1.50 - 1.80
Capsicum (oleoresin) N. F. VI, cns..lb. 1.90 - 2.00
Caraway, USP, cns.....lb. 1.55 - 1.70
Cardamom, bots.....lb.12.50 -25.50
Cassia, USP, cns., dms.....lb. .88 - .93
Castor, blown, one-way dms., c.l..lb. .10¼- —
l.c.l. .....lb. .11 - —
medicinal, bbls., c.l.....lb. .08¾- —
l.c.l. .....lb. .09¼- —
cns. (1-gal.), l.c.l.....lb. .12½- —
dms. (returnable), c.l....lb. .08½- —
l.c.l. .....lb. .09¼- —
(5-gal.), l.c.l.....lb. .10¾- —
tanks .....lb. .08 - —
No. 3, bbls., c.l.....lb. .08¼- —
l.c.l. .....lb. .09 - —
dms. (returnable), c.l.....lb. .08 - —
l.c.l. .....lb. .08¾- —
tanks .....lb. .07½- —

Castor oil, med. and No. 3 prices are divd. all points between N. Y. and Philadelphia, Albany, and N. E. States, Chicago c.l. prices ¾c. higher than N. Y., l.c.l., prices ¾c. higher than N. Y.; one way dms., ¼c. higher, all points.

sulphonated, 50% (43% fat), dms., c.l..lb. .06 - —
l.c.l. .....lb. .07 - —
75% (63% fat), dms., c.l. lb. .08¾- —
l.c.l. .....lb. .09¾- —
80% (68% fat), dms., c.l..lb. .09¼- —
l.c.l. .....lb. .10¼- —
Cedarleaf, cs. .....lb. .60 - .62
dms. .....lb. .55 - .57
Cedarwood, Oregon, cns., dms. lb. .28 - .30
Southern, cns., dms..... .lb. .17 - .21½
Celery, bots.....lb. 6.50 - 8.75
Chaulmoogra, USP, cns., 500 lbs. lb. .72½- —
25 lbs. .....lb. .75 - —
Chinawood, dms.....lb. .22 Nom.
tanks .....lb. .21 Nom.
Cinnamon, Ceylon, bots.....lb. 8.50 -25.00
Seychelle bots.....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .33 - .35
dms. .....lb. .31 - .33
Java, cns., dms.....lb. .27 - .28
Clove, makers, USP, cns....lb. .97 - —
dms. .....lb. .95 - —
Coconut, Manila, crude, tanks, lb. .02⅝- —
Pac. Cst.....lb. .02⅝- —
Coconut, edible, 76°, tax incl., dms. (returnable), c.l.....lb. .08¾- —
l.c.l. .....lb. .09¼- —
tanks .....lb. .07⅝- —
Cod, Newfoundland, shipt., un-tanked..gal. .32 - .33
Norwegian, shipt., bbls..gal. .28 - .31
Codliver, med., USP, bbls..bbl.20.00 -21.00
Coriander, bots.....lb.12.00 -12.50
Corn, crude, tanks, works...lb. .05 - .05¼
refd., bbls.....lb. .07¾- .08
Cottonseed, dom., cooking, bbls..lb. .08¼- —
salad, bbls. .....lb. .08½- —
import, Brazilian, semi-refd., bulk..lb. .03¼ Nom.
Creosote (see C).
Croton, USP, cns.....lb. 1.10 - 1.15
Cubeb, USP, cns.....lb. 2.50 - 2.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.75 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.30
import, cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.65 - —
California, 24 plus, bulk..bbl. 1.55 - —
Dill seed, bots.....lb. 2.70 - 3.00
weed, bots.....lb. 3.60 - 3.75
Dip (see D).
Erigeron, cns.....lb. 2.40 - 2.55
Eucalyptus, cns. .....lb. .41 - .45
dms. .....lb. .38 - .42
Fennel, sweet, cns.....lb. 1.05 - 1.10
Fuel, bunker, California, tide-water..bbl. .90 - —
Gulf Coast.....bbl. .80 - .85
Louisiana, Arkansas, 10-14, bbl. .85 - 1.00

N. Y. and N. J. terminals:—
Monday .....bbl. 1.05 - —
Tuesday .....bbl. 1.05 - —
Wednesday .....bbl. 1.05 - —
Thursday .....bbl. 1.05 - —
Friday .....bbl. 1.05 - —
Saturday .....bbl. 1.05 - —
North Texas, 18-22.....bbl. .85 - .90
24-28, zero cold test.....bbl. 1.00 - 1.05
Oklahoma, 18-22.....bbl. .85 - .90
24-28, zero cold test.....bbl. 1.00 - 1.10
24-28, 15 and above.....bbl. .85 - .90
Pennsylvania, 36-40.....gal. .04 - .04¼
Furnace, Bayonne, 1, bulk, refinery..gal. .04¼- —
2, bulk, same basis.....gal. .04 - —
4, bulk, same basis.....gal. .03⅝- —
Louisiana - Arkansas, 32-36, light straw..gal. .03¼- .03½
Oklahoma, 28-30.....gal. .03 - —
32-36 .....gal. .03⅝- .03¾
36-38 .....gal. .03⅝- .03⅞
38-40, straw .....gal. .03⅝- .03⅞
38-40 zero, 60 e.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04 - —
Gulf Coast, bulk.....gal. .03½- —
North Texas, bulk.....gal. .02⅞- .03¼
Oklahoma, bulk.....gal. .02⅞- .03¼
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb. 2.35 - 3.00
Bourbon, cns. .....lb. 2.40 - 3.00
Turkish (see Palmarosa).
Grapefruit, cns. .....lb. 1.50 - 1.75
Grapeseed, dms. .....lb. .40 - .60
Ginger, dist., bots.....lb. 4.00 - 4.50
Gualac wood, concrete, bots..lb. 2.10 - 2.25
Haarlem, import, bots....gross. 3.15 - 3.25
Halibut-liver, dms., 1,000 A, unit..gal. .75 - 1.00
Hemlock, cns. .....lb. .65 - .70
Juniper berry, USP, cns.....lb. 1.10 - 1.30
Wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, 1,000 lbs., dms..lb. .38 - .39
cns .....lb. .40 - .41
Lard, common, 1, bbls.....lb. .08½- —
2, bbls. .....lb. .08 - —
extra, bbls. .....lb. .08¾- —
1, bbls.....lb. .08½- —
Winter, strained, extra, bbls., lb. .08¾- —
prime, burning, bbls.....lb. .09½- —
prime, lined., bbls.....lb. .09 - —

Meth. Acet.—Oil, Pennyroyal

Oil, laurel, bots.....lb. 4.50 - 5.00
Lavandin, cns., 25 lbs.....lb. 1.00 - 1.06
Lavender flower, French, 50% ester, cns..lb. 4.50 - 4.75
38-42% ester, cns.....lb. 3.25 - 4.00
35-38% ester, cns.....lb. 2.75 - 3.00
30-32% ester, cns.....lb. 2.00 - 2.25
garden, cns. .....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.05 - 1.10
dms. .....lb. .95 - 1.00
Lemon, Calif., cns.....lb. 2.50 - —
Messina, coppers, cns.....lb. 3.15 - 4.00
Lemongrass, native, cns., dms., lb. .38 - .40
Lime, dist., Mexican, cns....lb. 2.65 - 2.70
West Indian, cns.....lb. 3.00 - 3.10
expressed, cns. .....lb. 6.50 - 6.75
Linaloe wood, cns.....lb. 1.25 - 1.30
Linseed, raw, bbls., c.l.....lb. .0870- .0890
l.c.l., 10 to 69.....lb. .0890- —
5 to 9.....lb. .0930- —
less than 5.....lb. .0950- —
tanks .....lb. .0810- .0830
boiled, .004 over raw..... — - —
Lovage, bots.....lb.41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms.....gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis. dms..gal. .26 - —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks..gal. .18½- —
15-25 pour, tanks.gal. .17½- —
150-160 D, color, 4½, 0-10 pour, tanks..gal. .20 - —
15-25 pour, tanks.gal. .19 - —
150-160 E, color 5½, 15-25 pour, tanks..gal. .18½- —
190-200 D, color 4¼, 15-25 pour, tanks..gal. .23 - —
200-210 E, 15-25 pour, tanks..gal. .22 - —
neutrals, 0-10 pour, 150 vis., 3 color, tanks..gal. .13 - —
150 vis., 3 color, tanks, gal. .14 - —
4 color, tanks.....gal. .13½- —
200 vis., 3 color, tanks, gal. .14½- —
4 color, tanks....gal. .14 - —
250 vis., 3 color, tanks, gal. .15½- —
4 color, tanks....gal. .15 - —
280 vis., 3 color, tanks, gal. .16½- —
4 color, tanks....gal. .16 - —
300 vis., 3½ color, tanks, gal. .17 - —
350 vis., same basis.gal. .17½- —
400 vis., same basis.gal. .18 - —
500 vis., same basis.gal. .18½- —
600 vis., same basis.gal. .19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penn., bright, 600, 10-15 pour, tanks..gal. .18 - .18¼
25 pour, tanks..gal. .16 - —
cylinder, 600 fire, tanks, gal. .08¼- —
600 flash, tanks.....gal. .10 - —
630 flash, tanks.....gal. .13 - —
635 fire, tanks.....gal. .09 - —
650 fire, tanks.....gal. .09¼- —
Warren, E, amber, tanks, gal. .11 - —
Penna, Warren, E, neutral, 150 vis., 3 color, tanks.gal. .14¼- —
180 vis., 3 color, tanks..gal. .15¼- —
200 vis., 2 color, tanks..gal. .16¼- —
spot, Penna., bright, bbls., c.l., f.a.s.....gal. .22 - —
unfiltered, 600 s. r....bbls., f.a.s..gal. .15½- —
600 flash, s. r., bbls., c.l. gal. .17½- —
630 flash, bbls, c.l., f.a.s., gal. .20½- —
Warren, E., bbls., c.l., f.a.s., smaller lots, f.o.b....gal. .21 - —
Mace, dist, cns., dms.....lb. 1.12 - 1.15
Mandarin, superior, coppers..lb. 5.75 - 6.00
Menhaden, crude, tanks, f.o.b. Balto..gal. .24 Nom.
refd., alkali, dms.....lb. .0620- —
tanks .....lb. .0560- —
refd., blown, dms.....lb. .0640- —
kettle-bodied, dms.....lb. .0740- —
light pressed, dms.....lb. .0560- —
tanks .....lb. .0500- —
Mineral, white (see Oil, white mineral).
Messina, USP, coppers.lb. 1.90 - 3.45
dist., natural, bots.....lb. 8.50 - 9.00
Neatsfoot, 20° cold test, bbls., lb. .14¾- —
extra, bbls. .....lb. .08½- —
1, bbls. .....lb. .08¼- —
pure, bbls. .....lb. .11¾- —
prime, bbls. .....lb. .08¾- —
sulphorated, common, 25% moisture, dms..lb. .10¼- —
Neroli, bots.....lb.85.00 -140.00
Nutmeg, USP, cns., dms....lb. 1.12 - 1.15
Olticica, dms.....lb. .17 - .18
Oleo, 1, bbls.....lb. .08 - —
2, bbls.....lb. .07½- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. .81 - .82
edible, bbls.....gal. 1.75 - 2.00
foots, bbls. .....lb. .06¾- .06⅞
sulphonated, 50% (43% fat), dms., c.l...lb. .11½- —
l.c.l. .....lb. .12½- —
75% (63% fat), dms., c.l..lb. .13½- —
l.c.l. .....lb. .14½- —
80% (68% fat), dms., c.l..lb. .14½- —
l.c.l. .....lb. .15½- —
Orange, sweet, dist., cs.....lb. .50 - —
Expressed, African, cns., dms. lb. .80 - .85
Calif., cns.....lb. 1.00 - —
Messina, USP, coppers.lb. 1.90 - 3.00
West India, cns.....lb. 1.65 - 1.70
Origanum, cns. .....lb. .90 - 1.25
Orris, Florentine, concrete, extra strong bots..oz. 4.75 - 5.50
Palm, Niger, csks.....lb. .03¾ Nom.
shipment .....lb. .0275- —
softs, 12½%, bulk, shipt....lb. .0250 Nom.
20%, bulk, shipt.....lb. .0245 Nom.
Sumatra, shipt., bulk.....lb. .0255 Nom.
Palmarosa, cns.....lb. 1.85 - 2.00
Palmkernel, bulk, shipt.....lb. .0340 Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns.....lb. 3.35 - 6.50
Peanut, crude, dom., tanks..lb. .05¼ Nom.
refd., edible, bbls.....lb. .08¾- .09
Pennyroyal, dom., cns.....lb. 2.10 - 2.15
import, cns. .....lb. 2.05 Nom.

AUG 1939 XUM

Oil, Peppermint—Petroleum

Oil, peppermint, natural, cns., dms.	lb.	2.10	- 2.35
redist., USP, cns., dms.	lb.	2.25	- 2.50
Perilla, dms.	lb.	.12½	Nom.
tanks	lb.	.12	- —
Petitgrain, Paraguay, cns.	lb.	.80	- .85
Pimento berry, cns.	lb.	3.35	- 3.65
leaf, cns.	lb.	2.25	- 2.30
Pine, dest.-dist., straw-color, dms., dlvd., E. ports	gal.	.52	- .55
steam-dist., dms.	gal.	.59	- —
tanks	gal.	.54	- —
Pineneedle, Siberian, cns.	lb.	.95	- 1.00
Putty, bbls., E. Segunco, Richmond, Cal.	gal.	.22½-	—
contracts	gal.	.19½-	—
Whiting, Ind.	gal.	.28	- —
dms., c.l., Bost., Providence	gal.	.25	- —
l.c.l., same basis	gal.	.27	- —
tanks, same basis	gal.	.18	- —
Martinez, Cal.	gal.	.26	- —
Rapeseed, blown, bbls.	lb.	.14	- .14½
denat., bbls.	gal.	.81	- .82
Red, dist. or saponif. bbls., dlvd.	lb.	.07¾-	.08¾
dms., dlvd.	lb.	.07¼-	.08¼
tanks, dlvd.	lb.	.06½-	—
white, dms.	lb.	.10¾-	.11¾
Rose, artif., bots.	oz.	2.00	- 3.00
natural, coppers	oz.	5.25	-22.50
Rosemary, Spanish, cns.	lb.	.56	- .75
dms.	lb.	.51	- .70
Rosin, 1st rectfd., dms.	gal.	.45	- —
2d rectfd., dms.	gal.	.47	- —
3d rectfd., dms.	gal.	.51	- —
Rue, bots.	lb.	3.00	- 3.50
Sage, cns.	lb.	1.60	- 1.65
Sandalwood, E. I., USP, cns.	lb.	4.50	- 4.95
Mysore, cns., case lots	lb.	19s 6d	
Sardine, crude, tanks, Pac. Cst.	gal.	.23	Nom.
refd., alkali, dms.	lb.	.0620-	—
tanks	lb.	.0560-	—
kettle bodied, dms.	lb.	.0740-	—
light pressed, dms.	lb.	.0560-	—
tanks	lb.	.0500-	—
Sassafras, artif., cns.	lb.	.41	- .42
dms.	lb.	.39	- .40
natural, cns., dms.	lb.	.90	- 1.00
Savin, cns.	lb.	1.60	- 1.65
Savory, cns.	lb.	2.00	- 2.25
Sesame, refd., import, dms.	lb.	.09¼-	.09¼
Shingle stain, bbls., c.l., wks.,	gal.	.19	- —
l.c.l., works	gal.	.21	- —
tanks, works	gal.	.14	- —
Snakeroot, Canada, cns.	lb.	9.50	-10.00
Soybean, dom., crude, dms.	lb.	.05½-	.05⅝
tanks	lb.	.04½-	—
refd., dms.	lb.	.06⅜-	.06⅝
tanks	lb.	.05¾-	—
Spearmint, USP, cns.	lb.	1.70	- 1.75
Sperm, bleach, 38°, dms.	lb.	.0900-	.0920
45° dms.	lb.	.0830-	.0850
natural, dms.	lb.	.0780-	.0800
Spruce, cns., dms.	lb.	.70	- .90
Sweet, birch, North, cns.	lb.	2.25	- 2.65
South, cns.	lb.	1.45	- 1.50
Tall, crude, dms., c.l., works,	ton.	45.00	- —
l.c.l., works	ton.	50.00	-65.00
tanks, works	ton.	35.00	- —
refined, dms., c.l., works	lb.	.05½-	—
l.c.l., works	lb.	.06	- —
tanks, works	lb.	.05	- —
Tallow, acidless, bbls.	lb.	.03¼-	—
tanks	lb.	.08	- —
Tansy, cns.	lb.	7.75	- 8.00
Tar, pine, cm'l, dms., c.l., dlvd., E. cities	gal.	.26	- —
E. ports	gal.	.25	- —
l.c.l.	gal.	.26	- —
tanks, dlvd. E. cities	gal.	.20	- —
Tar, pine, rectfd., USP, bbls., dlvd., E. ports	gal.	.55	- —
Tar acid (see T).			
Teaseed, crude, dms.	lb.	.10	- .10½
refined, dms.	lb.	.11¼-	.11½
Tea Tree (see Oil, Ti tree).			
Thyme, NF, red, dms.	lb.	1.10	- 1.15
white, dms.	lb.	1.15	- 1.25
Tung (see Oil, chinawood).			
Ti tree, cns.	lb.	2.40	- 2.90
Turkey red (see Oil, castor, sulphonated)			
Turpentine (see T).			
Turtle, cns.	gal.	4.25	- 5.00
Valerian, bots.	lb.	8.00	- 8.25
Vetiver, bots.	lb.	3.50	-15.00
Walnut, crude, dms.	lb.	.13	- .13¼
refd., dms.	lb.	.14	- .14½
Whale, refd., natural, dms.	lb.	.0710-	.0730
winter, bleach, dms.	lb.	.0750-	.0770
Wheat germ, phar., cns., dms.	gal.	22.50	-30.00
feedstuff, cns., dms.	gal.	17.50	-25.00
White, mineral, dms., tech., 50-60 vis., dms.	gal.	.40	- —
65-75 vis., dms.	gal.	.42	- —
80-90 vis., dms.	gal.	.43	- —
USP, 80-90 vis., dms.	gal.	.46	- —
95-105 vis., dms.	gal.	.53	- —
125-135 vis., dms.	gal.	.60½-	—
140-150 vis., dms.	gal.	.64	- —
175-185 vis., dms.	gal.	.68½-	—
200-210 vis., dms.	gal.	.70½-	—
320-330 vis., dms.	gal.	.76	- —
335-345 vis., dms.	gal.	.77	- —
Russian, 80-90 vis., dms.,	gal.	.46	- —
145-155 vis., dms.	gal.	.64½-	—
175-185 vis., dms.	gal.	.68½-	—
335-345 vis., dms.	gal.	.77	- —
Wintergreen, natural, North. cns.	lb.	4.00	- 8.00
South, cns.	lb.	3.05	- 3.75
synth (see Methyl salicylate).			
Wood (see Oil, chinawood).			
Wormseed, cns.	lb.	2.30	- 2.40
Wormwood, cns.	lb.	3.75	- 4.00
Ylang-ylang, Bourb., bots., cns.	lb.	2.50	- 3.00
Manila, bots.	lb.	18.00	-24.00
Olivine, aggregate, c.l., mines,	ton.	5.00	- 6.00
Lumps, same basis	ton.	7.00	- —
Spalls, same basis	ton.	5.00	- —
ground, 200 mesh, c.l., mines,	ton.	15.00	- —
20 mesh to dust	ton.	10.00	- —
Opium, USP, cns.	lb.	11.50	-12.50
gran., cns.	lb.	12.50	-13.50
powd., cns	lb.	12.50	-13.50
Orange, Lake, Persian, bbls., lb.		.30	- .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.10½-	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.11	- —
Colo., Mont., N.M., Wyo.	lb.	.10¾-	—
Other points	lb.	.10¼-	—
smaller lots, dlvd., Ala., etc.	lb.	.11	- —
Ariz., etc.	lb.	.11½-	—
Colo., Mont., N. M., Wyo.	lb.	.11¼-	—
Other points	lb.	.10¾-	—
French, Tours, casks, ex dock.	lb.	.13½-	—
kgs., ex dock	lb.	.14½-	—
Molybdate, bbls.	lb.	.31	- —
Toner, bbls.	lb.	.80	- —
Orangeflower petals, cs.	lb.	.35	- .37
Orange peel, bitter, bls.	lb.	.08	- .09
sweet, bls.	lb.	.11	- .13
Orris root, Florentine, bgs.	lb.	.10	- .11
fingers, cs.	lb.	.85	- .90
powd., bbls., bxs.	lb.	.12	- .13
Verona, bls.	lb.	.08	- .09
powd., bxs., cs.	lb.	.12	- .13
Orthoanisidin, bbls.	lb.	.70	- —
Orthochloroaniline, dms.	lb.	.60	- .75
Orthochlorophenol, dms.	lb.	.32	- —
Orthocresol, dms., c.l., works.	lb.	.16½-	—
l.c.l., same basis	lb.	.17½-	—
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.06	- —
l.c.l., same basis	lb.	.07	- —
100-lb. tins, same basis	lb.	.08	- —
50-lb. tins, same basis	lb.	.09	- —
tanks, same basis	lb.	.05½-	—
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.			
Orthonitroaniline, dms.	lb.	.55	- —
Orthonitrochlorobenzene, dms.	lb.	.15	- .18
Orthonitroparachlorophenol, cns.	lb.	.75	- —
Orthonitrotoluene, dms.	lb.	.09	- —
Orthotoluidin, dms.	lb.	.19	- —
Osage orange extract, cryst., bbls.,	lb.	.19	- —
liquid, 42°, bbls.	lb.	.08	- —
51°, bbls.	lb.	.09	- —
Oxyquinolin sulphate, cns., 100-lbs., works	lb.	3.50	- —
bots., cns., 1-50 lbs.	lb.	3.85	- 4.00
Orthotoluene hydrochloride, dms.	lb.	.22	- —
Sulphonate, kgs.	lb.	2.00	- 2.05

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Papain, powd., cs.	lb.	1.10	- 1.15
Paprika, Hungarian, extra fancy, bgs.	lb.	.29½-	.30
medium, bgs.	lb.	.28	- .28⅝
Portuguese, extra fancy, bgs.,	lb.	.28	- .29
fancy, bgs.	lb.	.27	- .28
Spanish, extra fancy, cs.	lb.	.33	- .34
Parachlorophenol, dms.	lb.	.45	- —
Paracymene, refd., dms.	gal.	.75	- 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11	- .12
l.c.l.	lb.	.12½-	.16½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.0280-	.0295
bbls., c.l., N.Y.	lb.	.0285-	—
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.0285-	.03
bbls., c.l., N.Y.	lb.	.0290-	—
yellow, 124-126 A.m.p., bbls., c.l., N. Y.	lb.	.0285-	—
fully refd., slabs, 123-125 A.m.p., bgs., c.l.	lb.	.03¾-	—
loose, c.l.	lb.	.0355-	—
126-127 A.m.p., bgs., c.l.	lb.	.0390-	—
loose, c.l.	lb.	.0370-	—
128-130 A.m.p., bgs., or loose, c.l.	lb.	.0400-	—
131-133 A.m.p., bgs., or loose, c.l.	lb.	.0435-	—
133-135 A.m.p., bgs., or loose, c.l.	lb.	.0465-	—
135-137 A.m.p., bgs., or loose, c.l.	lb.	.0490-	—
138-140 A.m.p., bgs., or loose, c.l.	lb.	.0565-	—
143-145 A.m.p., bgs., or loose, c.l.	lb.	.0650-	—
151-153 A.m.p., bgs., or loose, c.l.	lb.	.0650-	—
Refined paraffin prices in cases are 1½c. lb. higher than bags price; solid in tankcars is .06c. lower.			
match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.02½-	.02⅝
semirfd., solid., 122-124 A.m.p., bgs.	lb	.02¼	Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.	lb.	.34	- —
100 to 900 lbs. shipments, same basis.	lb.	.35	- —
Paraldehyde, tech., 99% .55 and 100 gal. dms., c.l., works	lb.	.10	- —
l.c.l., works	lb.	.11¼-	—
5 and 10 gal. dms., works	lb.	.15	- —
USP, cs., cbys.	lb.	.37	- .45
Paranitroaniilin, kgs., works	lb.	.47	- —
Paranitrochlorobenzene, kgs.	lb.	.15	- —
Paranitrophenol, kgs.	lb.	.35	- —
Paranitrotoluene, kgs.	lb.	.30	- —
Paraphenylenediamine, bbls.	lb.	1.25	- 1.30
Paratoluenesulphonamide, bbls.	lb.	.70	- —
Paratoluidin, bbls.	lb.	.48	- —
Pareira brava root, bls.	lb.	.15	- .19
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. alld.,	lb.	.23	- .25
less car lot, same basis	lb.	.24	- .26
Passion flower, herb, bls.	lb.	.07	- .09
Patchouli leaves, bls.	lb.	.18	- .20
Pellitory root, bls.	lb.	.13	- .14
Pennyroyal leaves, bls.	lb.	.13	- .14
Pentanes norm., 28-38°, dms., c.l., G.3.	gal.	.11½-	—
l.c.l., G.3	gal.	.16	- —
tanks, G.3	gal.	.08½-	—
laboratory grade, dms., c.l., G.3.	gal.	.14	- —
l.c.l., G.3	gal.	.25	- —
Pepper, black, Alleppey, bgs.	lb.	.07¼-	.07½
Lampong, bgs.	lb.	.03¼-	.03½
Tellicherry, bgs.	lb.	.07½-	.07¾
Red, chillies, Japan, Hontaka..	lb.	.17	- .17½
Mombassa, bgs.	lb.	.24	- .25
White, Java, Muntok, bgs.	lb.	.07⅝-	.07¾
Saigon, bgs.	lb.	.06¾-	.07
Peppermint leaves, dom., bls.	lb.	.23	- .25
import, bls.	lb.	.40	- .45
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	lb.	.08	- —
l.c.l., same basis.	lb.	.08½-	—
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½-	—
l.c.l., same basis.	lb.	.09	- —
Zone 3, dms., c.l., works, frt. alld.	lb.	.09	- —
l.c.l., same basis.	lb.	.09½-	—
Zone 4, dms., c.l., f.ob., stock points.	lb.	.09	- —
l.c.l., same basis.	lb.	.09½-	—
All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.			
Peru, balsam, dms.	lb.	.66	- .68
Petrolatum, amber, dms., c.l.	lb.	.02½-	—
l.c.l.	lb.	.03¼-	—
amber, extra, dms.	lb.	.02½-	—
l.c.l.	lb.	.04	- —
veterinary, dms., c.l.	lb.	.02½-	—
Petrolatum, white, cream, dms., c.l.	lb.	.04¼-	—
l.c.l.	lb.	.05¾-	—
lily, dms., c.l.	lb.	.05¼-	—
l.c.l.	lb.	.06¾-	—
snow, dms., c.l.	lb.	.06¼-	—
l.c.l.	lb.	.07¾-	—
Petroleum, crude, bulk, at wells:—			
California:—			
Alamitos Heights	bbl.	.74	- .98
Athens	bbl.	.84	- 1.08
Belridge	bbl.	.70	- 1.33
Buena Vista Hills	bbl.	.70	- 1.33
Canal-Gresly	bbl.	.91	- 1.00
Coalinga	bbl.	.70	- .98
Coyote Hills (West)	bbl.	.78	- 1.33
Domingues	bbl.	.79	- 1.08
East Coyote	bbl.	.76	- .90
Elk Hills	bbl.	.70	- 1.35
Elwood Terrace, f.o.b. ship.,	bbl.	1.25	- 1.48
El Segundo	bbl.	.80	- 1.21
Huntington Beach	bbl.	.79	- 1.33
Inglewood	bbl.	.79	- 1.37
Kern Front	bbl.	.70	- —
Kern River	bbl.	.70	- —
Kettleman Hills	bbl.	1.19	- 1.48
La Habra	bbl.	.76	- .98
Lakeview	bbl.	.70	- 1.35
Lost Hills	bbl.	.70	- 1.18
McKittrick	bbl.	.70	- —
Midway-Sunset (except Lakeview)	bbl.	.70	- 1.33
Montebello	bbl.	.77	- 1.43
Mt. Poso	bbl.	.70	- —
Mountain View	bbl.	.70	- 1.35
Newhall	bbl.	.70	- —
Orcutt	bbl.	.70	- .90
Olinda Brea	bbl.	.76	- 1.37
Playa del Rey, f.o.b. pipeline	bbl.	.80	- 1.16
Richfield	bbl.	.76	- 1.09
Rosecrans	bbl.	.84	- 1.08
Round Mt.	bbl.	.70	- —
Santa Fe Springs	bbl.	.78	- 1.42
Santa Maria	bbl.	.63	- .70
Santa Paula	bbl.	.70	- 1.01
Seal Beach	bbl.	.79	- 1.19
Signal Hill	bbl.	.80	- 1.31
Torrence	bbl.	.80	- 1.05
Wheeler Ridge	bbl.	.70	- .98
Whittier	bbl.	.76	- .90
Wilmington	bbl.	.76	- 1.31
Canada:—			
Oil Springs	bbl.	1.97	- —
Petrolia	bbl.	1.90	- —
Central West:—			
Illinois	bbl.	.53	- 1.05
Lima	bbl.	.90	- —
Western Michigan	bbl.	.55	- —
Princeton	bbl.	1.05	- —
East Texas	bbl.	1.19	- —
Gulf Coast:—			
Barber's Hill	bbl.	.79	- 1.16
Batson	bbl.	.74	- 1.04
Dayton	bbl.	.95	- 1.41
Esperson	bbl.	.79	- 1.16
Goose Creek	bbl.	.79	- 1.35
Hull	bbl.	.74	- 1.04
Humble	bbl.	.74	- 1.04
Liberty	bbl.	.79	- 1.16
Markham	bbl.	.90	- 1.29
Orange	bbl.	.79	- 1.16
Gulf Coast, Pettus	bbl.	1.29	- —
Pettus	bbl.	1.29	- —
Pierce Junction	bbl.	.95	- 1.41
Refugio (incl. Greta, Taft, Saxet)	bbl.	.79	- 1.33
Saratoga	bbl.	.74	- 1.04
Sour Lake	bbl.	.74	- 1.04
Spindle Top	bbl.	.74	- 1.04
Sugarland	bbl.	.79	- 1.35
West Columbia	bbl.	.79	- 1.28
Kentucky, Tennessee:—			
Big Sandy river	bbl.	1.02	- 1.12
Kentucky river	bbl.	1.10	- 1.20
Western Kentucky (Owensboro)	bbl.	1.10	- —
Louisiana, Arkansas:—			
Bull Bayou	bbl.	.73	- 1.08
Caddo	bbl.	.96	- 1.00
Cameron Meadows	bbl.	.74	- 1.13
Choctaw	bbl.	.74	- 1.20
Cotton Valley	bbl.	.73	- 1.05
Darrow	bbl.	.74	- 1.20
De Soto	bbl.	.73	- 1.05
El Dorado	bbl.	.73	- 1.05
Haynesville	bbl.	.73	- 1.05
Homer	bbl.	.73	- 1.05
Iowa	bbl.	.74	- 1.13
Lockport	bbl.	.74	- 1.13
Miller County	bbl.	.73	- 1.05
Pine Island	bbl.	.73	- 1.05
Rainbow	bbl.	.73	- 1.05
Rodessa	bbl.	.73	- 1.05
Smackover	bbl.	.73	- —
Tepetate	bbl.	1.08	- —
Urania	bbl.	.89	- —
Mexico, f.o.b. terminals			
Mexican port — based on contract:—			
Panuco	bbl.	No prices	
Tuxpan	bbl.	No prices	
Midcontinent:—			
North Texas	bbl.	.51	- 1.10
Oklahoma-Kansas	bbl.	.58	- 1.10
Pennsylvania, Ohio, West Virginia:—			
Bradford-Allegany	bbl.	2.00	- —
Corning	bbl.	1.92	- —
Pennsylvania grade, in Buckeye lines.	bbl.	1.55	- —
Eureka lines	bbl.	1.59	- —
N. Y. Transit lines,	bbls.	2.00	- —
S. W. Penn. lines.	bbl.	1.65	- —
lower district in National Transit lines.	bbl.	1.88	- 1.93
Rocky Mountain:—			
Big Muddy	bbl.	.99	- —
Canon City-Florence	bbl.	.90	- —
Cat Creek	bbl.	1.10	- —
Dutton Creek	bbl.	.86	- 1.10
Elk Basin	bbl.	.90	- —
Fort Collins-Wellington,	bbl.	.81	- 1.08
Frannie, light	bbl.	.45	- .69
Grass Creek, light	bbl.	.90	- —
Ilse	bbl.	.99	- .99
Lance Creek	bbl.	.77	- —
Lander	bbl.	.51¾-	—
Midway	bbl.	.99	- 1.10
Rock Creek	bbl.	1.00	- —
Salt Creek	bbl.	.99	- 1.10
Sunburst	bbl.	1.20	- —
Torchlight	bbl.	1.20	- —
South Central and Southwestern Texas:—			
Cass County	bbl.	.73	- 1.05
Cleveland-Liberty	bbl.	1.14	- —
Conroe	bbl.	1.27	- —
Darst Creek	bbl.	.96	- —
Hardin-Liberty	bbl.	1.00	- 1.02
Laling	bbl.	.87	- —
Lytton Springs	bbl.	.99	- —
Mirando, (incl. Duval).	bbl.	.74	- 1.33
Panola County	bbl.	.73	- 1.05
Salt Flat	bbl.	.96	- —
Tomball	bbl.	.95	- 1.41
Van	bbl.	.95	- —
West Beaumont	bbl.	.79	- 1.33
Texas Panhandle:—			
Carson-Hutchinson counties,	bbl.	.67	- 1.01
Gray County	bbl.	.73	- 1.06
West Texas:—			
Artesia, N. M.	bbl.	.61	- .86
Crane	bbl.	.53	- .95
Crockett	bbl.	.53	- .95
Ector	bbl.	.53	- .95
Eddy (N. M.)	bbl.	.77	- —
Howard	bbl.	.53	- .95
Petroleum, crude, bulk, at wells, West Texas, Jackson, N.M.	bbl.	.61	- .85
Jackson, N. M.	bbl.	.61	- .85
Lea, N. M.	bbl.	.53	- .95
Maljamar, N. M.	bbl.	.61	- .85
Mitchell	bbl.	.63	- .95
Pecos	bbl.	.65	- .87
Upton	bbl.	.63	- .95
Winkler	bbl.	.53	- .95
Ether, 30-60° dms., c.l., G.3,	gal.	.14	- —
l.c.l., G.3	gal.	.25	- —
tanks, G.3	gal.	.13	- —
35-60°, dms., l.c.l., G.3	gal.	.20	- —
40-75°, dms., c.l., G.3	gal.	.14	- —
l.c.l., G.3	gal.	.25	- —
tanks, G.3	gal.	.13	- —
laboratory grade, dms., c.l., G.3.	gal.	.14	- —
c.l., G.3	gal.	.25	- —
10-gal. lots, G.3	gal.	.50	- —
Lacquer, diluent, at refinery:— California, 100 l.b.p., 200 e.p., tanks, delvd. Los Angeles	gal.	.11	- —
San Francisco	gal.	.11½-	—
f.o.b. Richmond	gal.	.11	- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12	- —
East Coast, tanks	gal.	.09	- —
Group 3, tanks	gal.	.07⅝-	.07½
Naphtha, cleaners', at refinery:— East Coast, tanks	gal.	.10	- —
Group 3, tanks	gal.	.06¾-	.06½
tankwagon, Boston, ex tax,	gal.	.13	- —
Bridgeport	gal.	.12½-	—
Chicago, inc. 4c. tax.	gal.	.17½-	—
Decatur, inc. 4c. tax.	gal.	.186	- —
Des Moines, inc. 4c. tax.	gal.	.184	- —
Evansville, inc. ex tax.	gal.	.14½-	.15½
Milwaukee, inc. 5c. tax,	gal.	.198	- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20	- —
Newark, ex tax.	gal.	.10	- —
New York, ex tax.	gal.	.10	- —
Omaha, ex tax.	gal.	.144	- .154
Oklahoma City, ex tax.	gal.	.16	- —
Philadelphia, ex tax.	gal.	.11¼-	—
St. Louis, inc. 1c. tax.	gal.	.15	- —
Syracuse, 150 gals.	gal.	.14	- —
smaller lots, galv. drums,	gal.	.10	- —
milk cans.	gal.	.21	- —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway	gal.	.15	- —
2, over 90% arom., same basis.	gal.	.16	- —
8, tanks, f.o.b. Paulsboro, N.J.	gal.	.13	- —
60, same basis	gal.	.14½-	—
40, same basis	gal.	.14½-	—
v.m.&p., at refinery:— California, 46.5, 254 f.b.p., 380 e.p., tanks, f.o.b. El Segundo	gal.	.11	- —
Richmond	gal.	.11½-	—
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12	- —
54-57, 190 f.b.p., 310 e.p., tanks, dlvd., Los Angeles	gal.	.10	- —
54-57 f.b.p., 310 e.p., tanks, dlvd., San Francisco	gal.	.10½-	—
Portland, Seattle	gal.	.11	- —
East Coast, tanks	gal.	.09	- —
Group 3, tanks	gal.	.06¾-	.06½
tankwagon, Boston, ex tax.	gal.	.13	- .14
Chicago, inc. 4c. tax.	gal.	.16¼-	—
Des Moines, inc. 4c. tax.	gal.	.184	- —
Decatur, inc., 4c. tax.	gal.	.186	- —
Evansville, Ind., ex tax.	gal.	.147	- .157
Milwaukee, inc. 5c. tax.	gal.	.198	- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20	- —
Newark, ex tax.	gal.	.11	- —
New York, ex tax.	gal.	.10	- —
Omaha, ex tax.	gal.	.144	- .154
Philadelphia, ex tax.	gal.	.12½-	—
St. Louis, inc. 1c. tax.	gal.	.15.2-	—
solvent, rubber, at refinery, East Coast, tanks.	gal.	.09	- —
Group 3 light, 120 i.b.p., 250 e.p., tanks.	gal.	.06¾-	.06½
standard, 180 i.b.p., 288 e.p., tanks.	gal.	.06¾-	.06½
Stoddard (CS 3-38), at refinery:— East Coast, tanks.	gal.	.06½-	—
Group 3, tanks.	gal.	.06¾-	.06
tankwagon, Boston, ex tax.	gal.	.12½-	.13½
Chicago, inc. 4c. tax.	gal.	.159	- —
Decatur, inc. 4c. tax.	gal.	.181	- —
Des Moines, inc. 4c. tax.	gal.	.179	- —
Evansville, Ind., ex tax.	gal.	.135	- .145
Milwaukee, inc. 5c. tax.	gal.	.193	- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.177	- —
Newark, ex tax.	gal.	.09	- —
New Orleans, ex tax.	gal.	.11	- —
New York, ex tax.	gal.	.09	- —
Omaha	gal.	.121	- .14
Philadelphia, ex tax.	gal.	.10½-	.12½
St. Louis, inc. 1c. tax.	gal.	.129	- —
Tulsa, ex tax.	gal.	.10	- .13
thinners, at refinery:— California, 34, 226 i.b.p., 290 e.p., low aniline, 6,000 gal. tanks or transport trucks, f.o.b. Los Angeles.	gal.	.15	- —
Portland, Ore.	gal.	.16	- —
Richmond	gal.	.14½-	—
Seattle, Wash.	gal.	.16½-	—
44, 211 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore.,	gal.	.10½-	—
Richmond	gal.	.10	- —
Southern Calif.	gal.	.09½-	—
56, 200 i.b.p., 300 e.p., tanks, f.o.b. El Segundo,	gal.	.11	- —
Portland, Ore.	gal.	.13	- —
Richmond	gal.	.11½-	—
Seattle, Wash.	gal.	.13	- —
East Coast, 43-47, tanks.	gal.	.06½-	—
47-49, tanks.	gal.	.06¾-	.10
New Jersey, tanks.	gal.	.09½-	—
Group 3, tanks.	gal.	.06¾-	.06½
tankwagon, tax included:— Albany	gal.	.13	- —
Baltimore (100 gals.)	gal.	.13½-	.13½
25-99 gals.	gal.	.13½-	.15½
Boston	gal.	.13	- —
Bound Brook, North Amboy, N. J.	gal.	.11½-	.13½
Bridgeport, Conn.	gal.	.11	- —
Buffalo	gal.	.15	- —
Camden, N. J.	gal.	.10	- .13
Chicago	gal.	.163	- —
Decatur, Ill.	gal.	.176	- —
Des Moines	gal.	.174	- —
Evansville, Ind.	gal.	.137	- .147
Milwaukee	gal.	.188	- —
Minneapolis-St. Paul.	gal.	.19	- —
Newark	gal.	.09	- —
New York (200 gals.)	gal.	.09	- —
Omaha	gal.	.131	- .141
Philadelphia	gal.	.10	- .13
Pittsburgh	gal.	.11½-	.13½
Providence	gal.	.11½-	—
Rochester	gal.	.12	- —
St. Louis	gal.	.142	- —
Syracuse	gal.	.12½-	—
Trenton	gal.	.10	- —
Wilmington, Del.	gal.	.10	- .13

Phenobarbital, 5-lb, bots.....lb. 3.95 - —
bots. or cns., 100 lbs., spot or contract..lb. 3.60 - —
25-lb. cns. .....lb. 3.85 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .12 - —
l.c.l., same basis.....lb. .13¾- —
under 1,000 lbs.....lb. .14¾- —
tanks, works.....lb. .12 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
yellow, fib., dms., 2,000-lb. lots..lb. .80 - —
100-lb. fib., dms.....lb. .82 - —
25-lb. dms. .....lb. .87 - —
50-lb. kgs. .....lb. .64 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 2.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.45 - 2.50
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine, base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works..lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, works..lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.25 - —
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
land pebble, 70% min., bulk, mines..long ton. 2.15 - —
72% min., bulk, mines..... long ton. 2.40 - —
75% basis, 74% min., bulk mines..long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works, lb. .11 - .12
l.c.l., dms., wks.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons. lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .25 - .26
Pilocarpine hydrochloride, bots., vls..oz. 2.25 - 2.35
Nitrate, bots., vls.....oz. 1.75 - 2.00
Pimento, bgs. .....lb. .15 - .15½
Pinkroot, bls.....lb. .31 - .32
Pitch, Burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
hardwood, I-time, dms., c.l., divd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls. .....bbl. 6.00 - 6.25
Plaster of paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .14 - .16
western, bls. .....lb. .10½- .11
Podophyllin, dms., divd., E. of Miss..lb. 4.50 - 4.70
Poke root, bls. .....lb. .07 - .07½
Pomegranate bark, bgs.....lb. .16 - .17
Root bark, bgs.....lb. .25 - .26
Poppy flowers, red, bls.....lb. .90 - 1.00
Seed, Dutch, bgs.....lb. .07½- .07½
Polish, bgs. .....lb. .06¾- .07
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., divd..lb. .26 - —
kgs., divd. .....lb. .28 - —
USP, bbls., 250 lbs.....lb. .38 - —
kgs., 100 lbs. .....lb. .80 - —
cns., 25 lbs. .....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demi., 50 lbs. .....lb. .13 - —
Bicarbonate, USP, cryst., bbls., 800 lbs. .15 - —
kgs., 100 lbs.....lb. .17 - —
gran., bbls., 350 lbs.....lb. .15 - —
kgs., 100 lbs.....lb. .17 - —
Bichromate, spot, c.l., works..lb. .06¾- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .33 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis...lb. .05¾- —
liquid, dms., c.l., divd.....lb. .03 - —
l.c.l., dms.....lb. .03½- —
tanks, divd.....lb. .02¾- —
USP, gran., bbls., 325 lbs..lb. .13½- —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. .07 - .07½
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06¾- .06¾
import, dms.....lb. .06¼- .06¾
Chlorate, cryst., kgs.....lb. .09¼- .09¾
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08¼- .09
Chloride, tech., 96%, cryst., bgs., kgs..lb. .04 - .06
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, cns., dms.....lb. .50 - .55
Cyanide, gold, 41% gold, bots., works..oz. 14.20 -15.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. .90 - —
100-lb. lots.....lb. 1.00 - —
50-lb. lots, cbys. or cns. lb. 1.05 - —
25-lb. lots, cns.....lb. 1.15 - —
Guaiacolsulphonate, fib., dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.31 - 3.35
cns., 25 lbs.....lb. 3.20 - —
Iodide, bbls., 250 lbs.....lb. 1.13 - —
bots. or cns.....lb. 1.22 - 1.48
dms. .....lb. 1.13 - 1.16
Kainit, 20% K_2O, bulk, c.i.f. ports..ton. 12.25 - —
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports.....unit-ton. .53½- —
import, 30%, K_2O, bulk, shipt. unit-ton. .53½- —
Metabisulphite, kgs. .....lb. .11 - .12½
Potash, muriate, dom., all strengths, min., 50% K_2O, bulk.....unit-ton. .53½- —
Import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports.. unit-ton. .53½- —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls. .....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports, ton. 55.00 Nom.
Perchlorate, kgs., works.....lb. .09 - .10¾
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .30½- .34
Yellow, bbls. .....lb. .14 - .15
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs., lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports..ton. 36.25 - —
l.c.l. .....lb. .13½- —
Xanthate, dms., c.l. .....lb. .13 - —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipe, ton. 24.75 - —
Potash-titanium oxalate, kgs...lb. .35 - .40
Prickly ash bark, bls.....lb. .12 - .15
Berries, bgs., to arrive.....lb. No stocks
Prince's pine herb, bls.....lb. .15 - .16
Propane, tanks, G.S.....gal. .06 - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .17 - .18
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works....lb. .03¼- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works....lb. .04 - —
O, O-½, O-¾, and ½ bbls., less than 3, works....lb. .04½- —
3 or over, works....lb. .04 - —
Ital.-grd., bgs., c.l., shipt. ex dock, N.Y...ton. 32.65 Nom.
l.c.l., 5-29 tons, ex whse., ton. 37.70 - —
1,000-10,000 lbs., ex whse..ton. 38.70 - —
2 bgs., to 1,000 lbs., ex whse, ton. 40.70 - —
single bgs., ex whse.ton. 45.70 - —
Pumpkin seed, bgs.....lb. .09 - .10
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 6.00 - —
linseed oil, raw, dms....100 lbs. 4.50 - —
refined, dms. .....100 lbs. 5.00 - —
standard, dms. .....100 lbs. 3.95 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or divd., en 15 gls., or more, standard brand, odorless..gal. 7.15 - 7.50
basis (30 to 1) 3.6% pyrethrin, 55-gal. dms. (incl.) frt. alld., or divd., on 15 gals., or more, standard brand, odorless..gal. 10.65 -11.00
Pyrethrum, flowers, coarse, grnd. (g.d.p.) Japan, bgs., frt. alld., 15 tons or over..lb. .33 - .36
fine powd. Japan, bbls., ton lots frt. alld..lb. .35 - .37
Pyridin, denaturing, dms....gal. 1.63 - —
refd., 2°, dms.....lb. .50 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .12-13 Nom.
Pyrocatechin, CP, cryst., works, fib., dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophyllite, standard, 200 mesh., c.l. mines..ton. 9.00 - —
325 mesh, same basis....ton. 12.00 - —
No. 3, 200 mesh c.l. mines.ton. 7.50 - —
325 mesh, same basis....ton. 10.50 - —
Pyroxylin, scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works, lb. .13 - —
dense white, cs., works..lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works.....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
shell-demi, transparent, cs., works..lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .03½- —
tanks, works.....lb. .02¾- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04 - —
clarified, 64%, bgs., c.l., same basis..lb. .04¼- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .08 - .09
Quercitron, extract, liquid, 51°, bbls..lb. .07½- .08½
solid, dms.....lb. .10 - .15½
Quicksilver, dom., flasks, (76 lbs. net, divd., N.Y...flasks. 83.50 -85.50
European, flasks, (76 lbs. net) in bond..flasks. 78.00 - —
Quince seed, bgs.....lb. .55 - 1.10
Quinidine, cryst., small, cns..oz. .90 - —
large, cns.....oz. .98 - —
powd., precip., cns.....oz. .91 - —
Sulphate, cns.....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .76 - —
Acetate, cns.....oz. .99 - —
Arsenate, cns.....oz. .92 - —
Arsenite, cns.....oz. 1.01 - —
Bisulphate, cns.....oz. .54 - —
Citrate, cns.....oz. .72 - —
Dihydrobromide, bots.....oz. .75 - —
Dihydrochloride, bots.....oz. .75 - —
Ethylcarbonate, cns.....oz. .75 - —
Ferrocyanide, cns.....oz. 1.01 - —
Formate, cns.....oz. .94 - —
Glycerophosphate, cns.....oz. 1.14 - —
Hydrochloride, cns.....oz. .68 - —
Hydrochlorosulphate, cns....oz. .75 - —
Hydroiodide, cns.....oz. .99 - —
Hypophosphite, cns.....oz. .99 - —
Phosphate, cns.....oz. .82 - —
Salicylate, cns.....oz. .73 - —
Sulphate, USP, X, cns.....oz. .54 - —
USP, XI, cns.....oz. .61 - —
Sulphocarbolate, cns.....oz. .97 - —
Tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .97 - —
Valerate, cns.....oz. .93 - —
Quinine-urea hydrochloride, cns.oz. .75 - —

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms. .....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .058⅝- .060
Dutch, black, bgs.....lb. .06¼- .06½
red, bgs. .....lb. .07¼- .07¾
Japanese, bgs.....lb. .05¾- .06
Raspberries, dried, bls.....lb. .40 - .44
Red, alizarin lake, bbls., divd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ¼c. higher divd. Ala., Fla., Ga., Ia., (Shreveport, 1¼c.) Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher divd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago
Cadmium, lithopone, deep shade, bbls., ton lots, works frt. alld..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
light shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —
kgs., ton lots, same basis, lb. .75 - —
smaller lots, same basis, lb. .80 - —
light-medium shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
maroon shade, bbls., ton lots, same basis..lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
kgs., ton lots, same basis, lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
medium shade, kgs., smaller lots, same basis..lb. .90 - —
selenide, bbls., dark, works, lb. 2.50 - —
light, works.....lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40 1-lb. cns., 500 lbs., lb. 4.50 - —
dms., 500-lb. lots.....lb. 4.35 - —
100-lb. lots .....lb. 4.45 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.50 - 1.60
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis..lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis alizarin lake, contracts..lb. 1.10 - —
open order .....lb. 1.15 - —
Lithol toner, bbls., same basis, alizarin, lake, contrs...lb. .62 - —
open order.....lb. .67 - —
Rose lake, bbls.....lb. .20 - .23
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis alizarin lake..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts. lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls. lb. 1.56 - —
Metallic, bbls., Pa., works...lb. .62 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works..lb. .08½- —
l.c.l., works .....lb. .09½- —
shell, dom., cs., works.....lb. .12 - —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order .....lb. .80 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04½- .04¾
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .08 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .50 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N. Y..lb. .03¾- .0390
Toluidine toner, kgs., same basis alizarin lake..lb. 1.20 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03½- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake.....lb. .15 - —
quicksilver, bbls., 5 tons..lb. 1.55 - —
smaller lots.....lb. 1.58 - 1.62
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 1.81 - —
Red saunders wood, ground, bbls., lb. .12 - .17
Resorcinol, tech., dms., works..lb. .75 - .80
USP, cryst., bbls., works...lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .09 - .10
Rhodinol, bots.....lb. 5.55 -10.90
Rhubarb root, cs.....lb. .45 - .46
powd., bbls., kgs..lb. .50 - .52
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .18¾- —
smaller lots.....lb. .19¼- —
powd., bbls., 5,000 lbs., 1 shipt..lb. .17¾- —
smaller lots.....lb. .18¼- —
Rose flowers, pale, bls.....lb. .44 - .45
red, bls.....lb. 2.00 - 2.10

Phenobarbital—Skullcap

Rosemary flowers, bls.....lb. .25 - .30
Leaves, bls.....lb. .05 - .05½
Rosin, gum, B, bbls., ex dock, 280 lbs. 5.15 - —
D, bbls.....280 lbs. 5.15 - —
E, bbls.....280 lbs. 5.35 - —
F, bbls.....280 lbs. 5.80 - —
G, bbls.....280 lbs. 5.95 - —
H, bbls.....280 lbs. 6.30 - —
I, bbls.....280 lbs. 6.30 - —
K, bbls.....280 lbs. 6.30 - —
M, bbls.....280 lbs. 6.40 - —
N, bbls.....280 lbs. 6.55 - —
W. G., bbls.....280 lbs. 7.00 - —
W. W., bbls.....280 lbs. 7.45 - —
X, bbls.....280 lbs. 7.45 - —
Rosin, wood, bbls.....280 lbs. 4.10 - 5.72½
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton. 25.50 - —
l.c.l., f.o.b. mines.....ton. 37.50 - —
Import, lump, bbls.....lb. .14 - —
powd., bbls.....lb. .08½- .10
Rue, bls.....lb. .15 - .16

S

Sabadilla seed, powd., bbls....lb. .18 - .19
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .21 - .22
Saffron, Mexican, bls.....lb. .25 - .26
Spanish, tins .....lb. 27.75 -29.00
Sage, Dalmatian, stemless.....lb. .05¾- .06
garden, bls. .....lb. .06¼- .06¾
Safrol, cns.....lb. .52 - .53
dms. .....lb. .49 - .50
Sago flour, bgs.....lb. .02½- .03⅛
Salicin, bots., 5 lbs.....lb. 5.00 - —
cns., 25 lbs.....lb. 4.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., divd., N. Y..ton. 13.20 -13.80
l.c.l., bgs., divd., N. Y..ton. 15.00 -15.60
vacuum, common, fine, bgs., c.l. divd., N.Y...ton. 14.00 - —
l.c.l., divd. N.Y.....ton. 15.00 -19.70
Saltcake, grd., dom., bbls., works, ton. 19.00 -25.00
bulk, works .....ton. 15.00 - —
import, bulk, c.i.f.....ton. 15.00 -16.00
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 7.50 - 8.25
1-9 tons .....100 lbs. 7.95 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65
gran., bbls., 10-20 tons, 100 lbs. 6.50 - —
1-9 tons .....100 lbs. 6.65 - —
less than ton lots..100 lbs. 6.90 - —
powd., bbls., 10-20 tons. 100 lbs. 7.50 - —
1-9 tons .....100 lbs. 7.65 - —
less than ton lots..100 lbs. 7.90 - —
Santonin, cryst., cns.....kilo. 88.00 -90.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots, 5 lbs.....lb. 1.65 - —
cns., 25 lbs. .....lb. 1.50 - —
Sarsaparilla root, Honduras, bls. lb. .35 - .36
Mexican, bls. .....lb. .15 - .16
Sassafras, bark, ord., bls.....lb. .12 - .13
select, bls. .....lb. .18 - .20
Savory, bbls. .....lb. .07½- .07¾
Saw palmetto berries, bgs....lb. .07 - .07½
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .14¾- —
smaller lots .....lb. .15½- —
kegs, 5,000 lbs., 1 shipm't..lb. .15½- —
smaller lots .....lb. .15¾- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases .....lb. 1.75 - —
Senega root, bls.....lb. .55 - .56
Senna leaves, Alexandria, bls..lb. .10 - .14
siftings, bls. .....lb. .09 - .09¼
Tinnevelly, No. 1, bls....lb. .10 - .11
2 bls. .....lb. .07½- .08
3 bls. .....lb. .05 - .05¼
powd., bbls., bxs.....lb. .09 - .10
Pods, bls. .....lb. .05½- .06
Serpentaria root, bls.....lb. .67 - .68
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .18 - .19
divd. Boston .....lb. .18½- .19½
Chicago .....lb. .18¾- .19¾
Pacific Coast.....lb. .21 - .22
bonedry, refd., bbls., f.o.b., N. Y..lb. .25 - —
divd. Boston .....lb. .25½- —
Chicago .....lb. .25¾- —
Pacific Coast .....lb. .28 - —
Garnet, bgs.....lb. .12½- .16
Orange, D.C., VSO., Diamond I, cases..lb. .19 - .20
Superfine, bgs., f.o.b. Bost., N. Y..lb. .10 - .10½
divd. Chicago .....lb. .10½- .11
Pacific Coast.....lb. .13 - .13½
T.N., bgs., f.o.b. Bost., N. Y. lb. .09½- .10
divd. Chicago.....lb. .10 - .10½
Pacific Coast.....lb. .12½- .13
varnish, orange, 5-lb. cut., bbls..gal. .90 - .95
4½-lb. cut, bbls.....gal. .85 - .90
4-lb. cut, bbls.....gal. .80 - .85
white, 5-lb. cut, bbls.....gal. 1.00 - 1.10
4½-lb. cut, bbls.....gal. .95 - 1.05
4-lb. cut, bbls.....gal. .90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works. ton. 17.00 - —
l.c.l., 2½ tons, works. ton. 19.00 - —
smaller lots, works. ton. 20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton. 19.00 - —
l.c.l., 2½ tons, works. ton. 19.50 - —
smaller lots, works. ton. 21.00 - —
400 mesh, bgs., c.l., works, ton. 35.00 - —
l.c.l., 2½ tons, works. ton. 36.50 - —
smaller lots, works. ton. 38.00 - —
wet-grd., 96-98%, 325 mesh, bgs., c.l., works..ton. 20.00 - —
l.c.l., 2½ tons, works. ton. 21.50 - —
smaller lots, works. ton. 23.00 - —
90%, 325 mesh bgs., c.l., works..ton. 22.00 - —
bgs., l.c.l., 2½ tons, works, ton. 25.50 - —
smaller lots.....ton. 27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works.....ton. 11.00 - —
l.c.l., works.....ton. 16.00 - —
Silver bullion.....oz. .35½- —
Govt., purchase, dom., metal. oz. .7111- —
Govt. purchase, foreign metal oz. .35 - —
cyanide, cns., 2,500 ozs.....oz. .33 - —
1,000 ozs.....oz. .33¼- —
500 ozs.....oz. .33½- —
80 to 100 ozs.....oz. .33¾- —
Nitrate, vls.....oz. .27½- .29½
Nucleinate, bots., cns., 480 oz., lots..oz. .30 - .31
Proteinate, bots., cns., 480 oz., lots..oz. .29 - .30
Simarubra bark, bls.....lb. .26 - .28
Skatol, bots. .....lb. 75.00 -80.00
Skullcap, Eastern, bls... ....lb. .16 - .17
Western, bls. .....lb. .14 - .17

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Skunk Cabbage—Soda Phos.

Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works .....ton.10.00 -15.00
Sloe berries, bgs.....lb. .10 - .11
Smalt, black, extra velvet, cnts., lb. .06 - .06
Blue, cts. .....lb. .07 - .06¾
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls. .....lb. .10½- .12
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .13 - .14
powd., bbls. .....lb. .15 - .16
Soda, acetate, anhyd., dms., dlvd. lb. .06¼- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .06
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd. .....lb. .06¾- —
Alginate, dms., bbls., works, lb. .71 - .95
Antimoniate, bbls. .....lb. .11½- .12
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09¼
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .11
l.c.l., dms., works.....lb. .09¼- .11¼

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Soda, ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.18 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.33 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.85 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
ouix, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., Zone 1..100 lbs. 1.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.80 - —
4 .....100 lbs. 3.25 - —
l.c.l., Zone 1....100 lbs. 2.45 - —
bulk, c.l.....100 lbs. .90 - —
light, 55%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1..100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S. C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N. D., Okla., S. D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N. M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Soda benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms., 4,000 lbs., or more, lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .53
Bicarbonate, USP, gran., bbls., c.l., works..100 lbs. 2.35 - —
powd., bbls., c.l., works, 100 lbs. 1.65 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N Y..100 lbs. 2.76 - —
tech., bbls., c.l., wks..... 100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
Bichromate, spot, c.l., works.lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks, or 9 bbls. or less, works..lb. .07½- —
Bifluoride, bbls.....lb. .11¼ .12
Bisulphite, powd., bbls., c.l., bbls., wks..100 lbs. 3.30 - 3.55
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
66 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
38 degs., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
40 deg., bbls., works..100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber drms., 100 lbs.....lb. .32 - —
Cacodylate bots., 5 lbs.....lb. 5.81 - —
jars 25 lbs.....lb. 5.50 - —
Carbonate (see Soda ash, soda monohydrated, soda sal)
Caustic, flake, 76%, powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.00
2 .....100 lbs. 3.70 - 5.00
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l. same zone prices as ammonia process.

Soda, caustic, liquid, 47-49% buyers' tanks, works.100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l., works. 100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .06¾
Chromate, spot, c.l., works..lb. .06¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .06⅝- —
smaller quantities.....lb. .06⅝- —
Citrate, U.S.P., VIII, gran. bbls., 225-lb. lots..lb. .15½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23¾
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lbs. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
Import, 90%, cs.....lb. .12¾- .13¾
Cyanide, gold, 46% gold, bots., works..oz.15.85 -17.10
Diacetate, 33-35% acidity, bbls., 4lvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07½- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9, same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
95%, bbls., c.l., same basis, lb. .07½- —
l.c.l., 10 or over, same basis..lb. .08 - —
5-9, same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —

Soda fluoride prices at Los Angeles are f.a.s. Phila.

Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000-lb. lots, lb. 1.05 - —
smaller lots. .....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydroxide, USP, sticks, cns., 100-lb. lots..lb. .20½- .22
Hypophosphite, N.F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd.100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks., frt., equal'd, 100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —

Soda, hyposulphite, pea bgs., c.l., works..100 lbs. 2.00 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., wks..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., wks..100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., wks., 100 lbs. 3.10 - 3.35
bbls., wks.....100 lbs. 3.30 - 3.55
dms., wks.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., wks., 100 lbs. 3.70 - 3.95
bbls., wks.....100 lbs. 3.90 - 4.15
dms., wks.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.10 - —
bots .....lb. 2.21 - 2.47
Mandelate, bots., 5 lbs.....lb. 3.80 - —
fib. dms., 100-lb. lots.....lb. 3.05 - —
smaller lots.....lb. 3.15 - 3.20
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, ground, dms., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.40 - —
cryst., dms., c.l.....100 lbs. 2.90 - —
gran., bbls., c.l., wks..100 lbs. 2.20 - —
Molybdate, kgs., wks.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., July delivery, f.o.b. cars producing point or ports, rail or boat shipment.ton.29.00 - —
200-lb. bgs., same basis.ton.28.50 - —
bulk, same basis.....ton.27.00 - —
refd., gran., bbls., 10 tons.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
pwd., bbls., ton lots.100 lbs. 3.65 - —
smaller lots.....100 lbs. 3.90 - —
Nitrite, 96-98%, dom., bbls., c.l., wks., frt. equalized.lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .06 - —
l.c.l. .....lb. .06¾- .11¼

Soda nitrite l.c.l price range represents delivery at various points.

Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 4.53 - —
l.c.l., works.....100 lbs. 5.51 - —
bbls., c.l., works..100 lbs. 4.73 - —
l.c.l., works .....100 lbs. 5.71 - —
cryst., tech., bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.45 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works..100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —

PERHAPS THIS NEW SYNTHETIC WAX WILL LOWER YOUR PRODUCT COST

Into the highly complex field of commercial waxes comes CERCON, a refined mineral product which is supplied in six colors: Snowdrift, Lemon, Orange, Tangerine, Apricot and Olive.

Having an ASTM penetration of 50 with the 50 gram weight attached, CERCON has a wide scope of commercial uses. In many of these uses it offers the manufacturer or compounder a substantial saving over the material now in use, such as ceresin and ozokerite.

Without attempting to further analyze the application of CERCON to any given product or process, we offer test samples to any interested user of this type of material.

Your inquiry will be promptly acknowledged

The Conewango Refining Co.
WARREN, PENNSYLVANIA

Soda phosphate, tribasic, bgs., c.l., works..lb. 2.00 - —
l.c.l., works..100 lbs. 2.40 - —
bbls., c.l., works..100 lbs. 2.20 - —
l.c.l., works..100 lbs. 2.60 - —
kgs., c.l., works..100 lbs. 2.70 - —
l.c.l., works..100 lbs. 3.10 - —
USP (dibasic), bbls., works..lb. .09 - .11
dried, bbls., dms., works.lb. .11½ - .14
Picramate, kgs..lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .09½ - —
contracts..lb. .09 - —
smaller lots..lb. .09¾ - —
contracts..lb. .09¾ - —
Pyrophosphate, anhy., bgs., c.l., wks., frt. equal'd..100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., wks., frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis..100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls..lb. .12 - —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
works..100 lbs. 1.00 - —
bbls., dlvd. N. Y..100 lbs. 1.30 - —
works..100 lbs. 1.10 - —
Salicylate, bxs..lb. .52 - —
Sesquisilicate, dms., c.l., works, 100 lbs. 3.00 - —
20 dms., and up, dlvd. N.Y.C. 100 lbs. 3.65 - —
6-19 dms..100 lbs. 4.10 - —
1-4 dms..100 lbs. 4.85 - —
Silicate, 40° turbid., dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works..100 lbs. 1.20 - —
53°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1-4, works..100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. .04 - .04¼
import, bbls..lb. .03½ - .04
Stannate, dms..lb. .32 - .35
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.. 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.25
bbls..100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4..100 lbs. 6.00 - —
Sulphocarbolate, cs..lb. .27 - .28
Sulphocyanide, dms., cns....lb. .38 - .47
Sulphoricinoleate, bbls.....lb. .13 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs..lb. 1.75 - 1.85
tech., kgs..lb. 1.05 - 1.10
Solvent, high-flash, dms., works, frt., equald..gal. .31 - —
tanks, same basis..gal. .36 - —
naphtha, solvent, dms., works, gal. .31 - —
tanks, E. of Omaha, frt., alld. gal. .36 - —
W. coast, f.o.b., Minnequa, Colo..gal. .36 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .15½ - —
l.c.l..lb. .16 - —
Soybean protein, bgs., c.l., works, lb. .11½ - —
l.c.l., works..lb. .12 - —
Sparteine sulphate, cns.....oz. 1.00 - 1.05
Spearmint leaves, bls.....lb. .18 - .19
Spikenard root, bls.....lb. .11 - .13
Spruce extract, reg., bbls., c.l., works..lb. .01¾ - —
tanks, works..lb. .01¾ - —
powd., super, bgs, c.l., works. lb. .04 - —
super, bbls., c.l., works.....lb. .01¾ - —
tanks, works..lb. .01¾ - —
Squawvine leaves, bls.....lb. .11 - .12
Squill, red, bls.....lb. .14 - .15
white, bls..lb. .06½ - .07
powd., bbls., bxs..lb. .13 - —
St. Ignatius beans, bgs.....lb. .40 - .42
St. John's bread, edible, bls., lb. .07 - .07½
inedible, bls..lb. .05 - .06
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.40 - 2.70
dlvd., N. Y.....100 lbs. 2.75 - 2.95
powd., bgs., f.o.b. Chicago, 100 lbs. 2.50 - 2.70
dlvd., N. Y.....100 lbs. 2.85 - 3.05
Potato, dom., bgs.....lb. .04 - .05
import, bgs..lb. .05 - .06
Rice, bbls..lb. .06¼ - .07¼
Wheat, thick boil, bgs.....lb. .05 - —
Staveacre seed, bgs.....lb. .15 - .16
Stearin, oleo, bbls.....lb. .05½ - .05¾
Stillingia root, bls.....lb. .07 - .07½
Stoneroot, bls.....lb. .07 - .07½
Storax, cs..lb. .48 - .49
Stramonium leaves, bls.....lb. .12 - .13
Seed, bgs..lb. .09 - .10
Strontium bromide, fib, dms...lb. .57 - .59
kgs., 150 lbs..lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .20 - —
25-lb. bxs..lb. .25 - —
100-lb. kgs..lb. .23 - —
tech., 99-100 pc., precip., bbls., lb. .16¼ - .17½
Chloride, bbls..lb. .11 - .12½
Iodide, bots., 5 lbs.....lb. 2.90 - —
tars, 25 lbs..lb. 2.85 - —
Nitrate, dom., bbls., c.l., works. lb. .07¾ - —
25 bbls. and over.....lb. .08¼ - —
1-24 bbls. and over.....lb. .08¾ - —
Strophanthus seed, Kombe, bgs.lb. 1.25 - 1.30
Styralyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots..oz. .40 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .36 - —
Arsenate, 25-oz., cns., 100-oz. lots..oz. .33 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .30 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .67 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .36 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .77 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .30 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .67 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .42 - —
powd., cns., 100-oz. lots, oz. .32 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.10
Milk, bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb., bots....lb. 1.40 - —
fib., dms., 1,000 lbs., 1 delivery, lb. 1.00 - —
100 lbs.....lb. 1.05 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.35 - 5.30
Sulphur, crude, bulk, f.o.b. cars, mines, contracts....long-ton. 16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton. 17.50 - —
ex vessels, Atlantic seaboard, contract..long ton. 20.50 - —
Puget Sound, Columbia River, and British Columbia parts, bulk, contract..long ton. 22.00 - —
flowers, bgs., c.l., works, 100 lbs. 3.00 - —
bbls., works..100 lbs. 3.35 - —
l.c.l., bgs., works..100 lbs. 3.35 - 3.75
bbls., works..100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works..100 lbs. 2.30 - —
l.c.l., bgs., works..100 lbs. 2.60 - 2.90
bbls., works..100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works..100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., works..100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.35 - —
bbls., works..100 lbs. 2.30 - —
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works.100 lbs. 2.50 - 2.90
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works..100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works..100 lbs. 2.85 - 3.25
rubber maker's, com'l., 99½%, c.l. frt., alid..100 lbs. 2.00 - —
bbls., same basis, c.l. 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alid..100 lbs. 2.35 - —
bbls., same basis..100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l....lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l.....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½ - .07
tanks, works..lb. .04 - .06
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½ - .10
Iodide, bots., jars.....lb. 3.90 - —
Presin., USP bbls.....lb. .17 - .22
Sumac, grd., Sicilian, bls....ton. 66.00 - —
leaf, bls.....ton. 69.00 - —
Extract, 42°, bbls.....lb. .05½ - —
51°, bbls.....lb. .06½ - —
stainless, bbls.....lb. .06½ - .08½
Sunflower seed, Calif., large, bgs., lb. .05¾ - .06¼
medium, bgs.....lb. .04¾ - .05¼
poultry, bgs.....lb. .03¾ - .04
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 8.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 7.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .78 - —

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Talc, dom., Calif., 1, bgs., c.l., mills..ton. 20.00 - —
2, bgs., c.l., mills.....ton. 17.00 - —
N. Y., fibrous, 96-94%, 325 mesh bgs., c.l., mills, ton. 14.00 - —
l.c.l., mills.....ton. 16.00 - —
96-98%, 325 mesh, bgs., c.l., mills..ton. 15.00 - —
l.c.l., mills.....ton. 17.00 - —
98-99½%, 325 mesh, bgs., c.l., mills..ton. 15.25 - —
l.c.l., mills.....ton. 17.25 - —
90.85-99.95%, 325 mesh, bgs., c.l., mills...ton. 17.00 - —
coarse, off color, bgs., c.l., mills..ton. 11.00 - 13.00
Ohio, flake type, grd., bgs., c.l., mills..ton. 21.00 - —
l.c.l., mills.....ton. 24.50 - —
Vermont, bgs., c.l., mills, ton. 14.00 - —
l.c.l., ex whse.....ton. 25.00 - —
Canad., bgs., c.l., mills....ton. 11.50 - 13.00
French, high-grade, bgs., l.c.l., ex whse..ton. 45.00 - 60.00
ordinary, bgs., c.l., ex dock, arrival..ton. 23.00 - 25.00
l.c.l., ex whse.....ton. 27.50 - 32.50
Italian, 1, bgs., ex dock, arrival. ton. 65.00 - 67.00
ex whse.....ton. 85.00 - —
2, bgs., ex dock, arrival.ton. 60.00 - 62.00
Tallow, animal, edible.....lb. .04¾ Nom.
extra, loose.....lb. .04½ - —
special, loose.....lb. .04¾ - —
vegetable, ship, cs.....lb. .06½ Nom.
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾ - —
l.c.l.....lb. .04¾ - —
50% (43% fat), dms., c.l., lb. .05¾ - —
l.c.l.....lb. .06¾ - —
50% (43% fat), dms., c.l..lb. .05¾ - —
l.c.l.....lb. .06¾ - —
Tamarind, W. I., bbls.....lb. .05 - .05½
kegs.....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 2.80 & .10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk..unit-ton. 2.75 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 2.50 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.00 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f., ports, Aug., shipt. unit-ton. 3.00 & .10
Tansy leaves, bls.....lb. .17 - .18
Tapioca flour, bgs.....lb. .02½ - .04
Tar acid oil, 15%, dms., c.l., works..gal. .21 - —
l.c.l., same basis.....gal. .23 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
ports.....gal. .25 - —
l.c.l.....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tarragon herb, bgs.....lb. .85 - .87
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .27¾ - —
less than 5.....lb. .28 - —
powd., bbls., 5 or more..lb. .27¾ - —
less than 5.....lb. .28 - —
USP, powd., bbls.....lb. .33 - .33½
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - .86
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .26 - —
dms.....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms.,works.lb. .08 - .08¼
Tetrachloroethylene, CP, dms..lb. .21½ - —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .12 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., wks..lb. 5.00 - 7.00
Theobromine, cns.....lb. 2.10 - 2.40
Sodiosalicylate, cns.....lb. 1.75 - 1.85
5-lb. bots.....lb. 2.01 - —
Thiocarbanilide, dms.....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .10¼ - .10½
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - —
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs.....lb. 3.35 - 3.40
Timbo root, powd., 4% rotenone, bbls..lb. .18 - .26
5% rotenone, bbls.....lb. .22 - .30
Tin chloride (ous), anhyd.....lb. .45½ - .46
Crystals, bbls., kgs.....lb. .38 - .38½
Metal, Straits.....lb. .4860 - —
Oxide, bbls.....lb. .52 - .54
Tetrachloride, anhyd., bbls..lb. .24¼ - —
Titanium, dioxide, bgs., c.l. (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd. lb. .13¼ - —
Pac. Cst., ex whse..lb. .13¼ - —
l.c.l., bgs., works....100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.55 - 3.95
heavy, bgs., c.l., wks..100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works, 100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works, 100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
1,000-9,999 lbs., E. frt. pd. lb. .13½ - —
Pac. Cst., ex whse..lb. .13½ - —
50-999 lbs., E. frt. pd. lb. .13¾ - —
Pac. Cst., ex whse..lb. .13¾ - —
under 50 lbs., E. frt. pd. lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
bbls., c.l. (20 tons), frt. pd lb. .13¼ - —
l.c.l., 5 tons, E. frt. pd. lb. .13½ - —
Pac. Cst., ex whse....lb. .13½ - —
1,000-9,999 lbs., E. frt. pd. lb. .13¾ - —
Pac. Cst., ex whse....lb. .13¾ - —
50-999 lbs., E. frt. pd...lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk-resistant, bgs., c.l., (20 tons), frt. pd..lb. .16 - —
l.c.l., 5 tons, frt. pd....lb. .16¼ - —
1,000-9,999 lbs., frt. pd.lb. .16½ - —
50-999 lbs., frt. pd....lb. .16¾ - —
Under 50 lbs., frt. pd..lb. .19 - —
bbls., c.l. (20 tons), frt. pd. lb. .16¼ - —
l.c.l., 5 tons, E. frt. pd..lb. .16½ - —
Pac. Cst., ex whse..lb. .16½ - —
1,000-9,999 lbs., E. frt. pd..lb. .16¾ - —
Pac. Cst., ex whse..lb. .16¾ - —
50-999 lbs., E. frt. pd., lb. .17 - —
Pac. Cst., ex whse..lb. .17 - —
barium, calcium, or magnesium base, c.l., D. frt. alld., lb. .05¼ - —
l.c.l., dlvd.....lb. .05½ - —
Pac. Cst., ex whse..lb. .05½ - —
under 50 lbs., E. dlvd.lb. .06¼ - —
bbls., c.l., D., frt. alld..lb. .05½ - —
l.c.l., E., dlvd.....lb. .05¾ - —
Pac. Cst., ex whse....lb. .05¾ - —
under 50 lbs., E. dlvd.lb. .06½ - —
Tolidin base, distilled, kgs....lb. .86 - —
Tolidin base, distilled, kgs....lb. .80 - —
Tolu, balsam, cns.....lb. .43 - .46
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld, gal. .22 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .22 - —
Nitration, dms., wks.....gal. .28½ - —
tanks, E. of Omaha, frt. alld. gal. .23½ - —
Tonga vine, NF, bls.....lb. .26 - .28
root, bls.....lb. .40 - .41
Tonka beans, Angostura, cks..lb. 2.35 - 2.40
Brazilian, Surinam, cs.....lb. 1.00 - 1.10
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks.....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l.....lb. .68 - .70
tanks.....lb. .65 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½ - —
Zone 2, dms., c.l., works, frt. alld..lb. .08½ - —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½ - —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½ - —

All prices on trichlorethylene are ft. alld. with the exception of Zone 4 in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1, includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2, includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3, includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4, includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½ - .51½
dms., c.l., dlvd.....lb. .34½ - —
500 lbs., dlvd.....lb. .37½ - —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½ - —
less than 500 lbs.....lb. .25½ - .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —

Soda Phosphate—Whiting

Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton. 26.00 - —
double grd., bgs., c.l., works, ton. 16.00 - —
once-grd., bgs., c.l., works..ton. 14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., works..lb. 2.10 - 2.20
Oxide, CP, kgs.....lb. 2.40 - 2.60
Chem. grade, kgs.....lb. 1.75 - 1.85
Turmeric root, Alleppey, bgs..lb. .06 - .06¼
Madras, bgs.....lb. .06¾ - .07
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .29½ - —
l.c.l., 10 ex dock.....gal. .31½ - —
5 ex dock.....gal. .33½ - —
wood dest., dist., dms., dlvd. E. cities, ports..gal. .23 - .25
tanks, dlvd. E. cities....gal. .19 - —
steam-dist., dms., c.l., dlvd.gal. .27 - —
l.c.l., dlvd.....gal. .30 - —
tanks, dlvd.....gal. .22 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs....lb. 2.65 - —
yellow, kgs.....lb. 1.75 - —
Urea, dom., 46 + % N. bgs., 6 tons, f.o.b. Atl. ports or Belle, W. Va..ton. 95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton. 95.00 - —
f.o.b. N. Y.....ton. 101.00 - —
import, 46% N., bgs. 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt. ton. 95.00 - —
smaller lots, f.o.b. N. Y. from whse..ton. 101.00 - —
pure, cs.....lb. .14½ - .15½
Urea-ammonia liquor, nitrogen basis, tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton. 121.58 - —
Urea nitrogen, dom., 42% N₂, bulk, Aug., shpt., f.o.b. Belle, W. Va.....ton. 54.90 - —
imported, 40% N₂, bgs., July-Aug.-Sept. shipt.....ton. 53.30 - —
30% N₂, bgs., July-Aug.-Sept. shipt...ton. 40.35 - —
Uva ursi leaves, bls.....lb. .07 - .09

V

Valerian root, bls.....lb. .12 - .13
Vanilla, beards, bgs., shipt..ton. 45.00 - —
Cuts, bgs., shipt.....ton. 27.00 - 29.00
extract, powdered, 65%.....lb. .06 - —
Vanilla beans, Bourbon, tins..lb. 5.50 - 6.00
Mexican, tins.....lb. 5.50 - 6.00
cuts, tins.....lb. 5.25 - 5.50
South American, tins.....lb. 5.25 Nom.
oleoresin, bots.....lb. 9.65 - 16.50
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex sasafras, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs., gross wght..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .37 - .38
tree.....lb. .19 - .22
Wattle bark, bgs., shipt.....ton. 34.50 - 38.00
Extract, solid, bags.....lb. .04 - —
Wax, bayberry, import, bgs...lb. .26 - .27
Bees, white, bleach, slabs, cs., 5 case lots..lb. .33 - —
1 cs., lots.....lb. .34 - —
cakes, 5 cs., lots.....lb. .34 - —
1 cs., lots.....lb. .35 - —
discs, 5 cs., lots.....lb. .35 - —
1 cs., lots.....lb. .36 - —
yellow, crude, Africa, bgs., lots of 10.....lb. .19 - .19½
1 bg.....lb. .19½ - .20
Brazil, bgs., 5-10 ton lots, lb. .21½ - .22
1 ton.....lb. .22 - .22½
500 lbs.....lb. .22½ - .23
100 lbs.....lb. .23 - .23½
refd., slabs, cs., lbs.....lb. .25½ - .31½
Candelilla, bgs., 1 ton.....lb. .15½ - .16
jobbing lots.....lb. .16 - .16½
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .29 - .29½
5 bgs.....lb. .29½ - .30
1 bg.....lb. .30 - .30½
N. C. 2, bgs.....lb. .35 - .35½
N. C. 3, bgs., 1 ton.....lb. .30 - .31
5 bgs.....lb. .30½ - .31½
1 bg.....lb. .31 - .32
refined, bgs.....lb. .34 - .35
yellow, No. 1, bgs., 1 ton..lb. .41 - .42
5 bgs.....lb. .41½ - .42½
1 bg.....lb. .42 - .43
No. 2, bgs.....lb. .40 - .41
Ceresin, dom., 135°-140° m.p., bgs., 1 ton..lb. .08½ - —
jobbing lots.....lb. .09½ - —
150°-160° m.p., bgs., 1 ton.lb. .09½ - —
jobbing lots.....lb. .10½ - —
160° m.p., bgs., 1 ton....lb. .10½ - —
jobbing lots.....lb. .11½ - —
Japan, cs.....lb. .12½ - .13
Montan, bgs., c.l.....lb. .11 - —
5 tons.....lb. .11¼ - .11¾
less than 1 ton.....lb. .11½ - .11¾
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .55 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P.).
Spermaceti, blocks, cs.....lb. .18 - .21
cakes, cs.....lb. .19 - .23
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .06 - .06¼
White precipitate, powd., 5-lb. bots..lb. 1.89 - —
dms., 50 lbs., or more...lb. 1.76 - —
Whiting, chalk, com'l., dry-grd., blp. bgs., c.l., works..ton. 12.00 - —
l.c.l., works.....ton. 14.00 - —
bbls., c.l., works.....ton. 15.00 - 16.50
l.c.l., works.....ton. 17.00 - —
pap. bgs., c.l., works..ton. 11.20 - 13.50
l.c.l., works.....ton. 13.20 - 14.50

—Continued on page 44

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Concerning Tung Oil

Paint and varnish manufacturers are beginning to feel the pinch of diminished supplies of tung oil. Those whose formulas are constructed on the basis of this important vehicle find their operations seriously handicapped by the interference of disturbed conditions in China with the shipment of the oil to the United States. They are faced with a technical problem, the economic significance of which is far keener than has been that of the introduction of cellulosic lacquers.

In 1937, paint and varnish manufacturers used 87.8 percent of all the tung oil industrially consumed in the United States. In 1938, they raised their proportion to 89.6 percent. Between 1937 and 1938 consumption of tung oil in the production of paint and varnish declined 25.9 percent. Sales of paints and varnishes, not including lacquers, were 23.7 percent less in the first half of 1938 than in the corresponding period in 1937. That difference is close to the drop of 25.9 percent in the consumption of oil. Imports of the oil in the first six months of the same years dropped 47.4 percent. The differences in the two variations is explainable only by the assumption that stocks of tung oil in this country were heavily drawn upon. The fact that the carryover of oil at June 30, 1938, was larger than it had been a year earlier is attributable to the heavy importations in the latter half of 1937.

Imports of tung oil in the first six months of this year were 25.8 percent less than those in the 1938 period; total industrial consumption (including about 4 percent of domestic oil) was 21.9 percent larger. Sales of paints and varnishes were 7 percent larger than those in the first six months of 1938.

It is evident that manufacturers of paints and varnishes have not been able to get along with a smaller supply of tung oil; although the proportion of this oil to all oils used in paints and varnishes dropped from 23.1 percent in 1937 to 21.9 percent in 1938. This trend must grow. Suppliers of substitute oils have a big opportunity to help consumers and themselves. They have a selling job that is more technical than commercial, a job that is desirable all around in the doing.

Distribution Is Costly

It is not profits, but costly operations that make distribution relatively high in cost the Twentieth Century Fund committee studying that division of business has pronounced. This pronouncement does but make widely public as a sort of "discovery" what has been known to every student of distribution for years. There is waste in distribution, but much of this waste is an inseparable part of the competitive system—the cost of keeping individuals employed.

Competition is the cost of trade. As the committee puts it, a large part of the theoretically excessive cost of distribution lies in "duplication of sales efforts, multiplicity of sales outlets, excessive services, multitudes of brands, and unnecessary advertising—all caused by competitive conditions." The committee feels that these conditions offer opportunities for reducing the cost of distribution. This is undeniably true. But, it will be most interesting to learn, when the committee, perhaps next month, makes its recommendations for effecting this reduction, or as it says "increasing the efficiency of distribution," how much short of monopoly of function and of commodity it will be possible to stop and avoid the "multiplicity of sales outlets" and the "multitudes of brands."

Distribution, basically analyzed, is not so much a wasteful function as it is a costly means of providing a livelihood for thousands who might be better employed, in a strictly economic sense, if some other employment could be found for them. Many of these thousands are responsible for the "poor management and planning," to which also the committee with good reason attributes a part of the excessive cost of distribution. The fundamental economic question is: Do they cost more in their inefficient functioning as distributors than they would in some other role?

The answer to that question can be but theoretically constructed; and, unless the entire competitive system is revised, or scrapped, the other role will long remain an undiscovered one for the majority of them, if not for all. Talk there is in high-thinking circles of a "reconstructed economic system" that will solve the problems of the nation; that will function for the "good of all." But, ambition without adequate ability will long energize the magnet of merchandising and make distribution cost too much by reason of servile service to customers and "controllers" alike, of shoestring speculation, and of pegs that are not "square" in holes that are deep, as well as misshapen.

Distribution costs too much: in some instances because there is too much of it, in others because there is not enough. Any business street in any metropolis is illustrative of the costly overcrowding. The unmarketed surpluses of orchards and gardens and fields demonstrate the inefficiency of inadequateness. And neither monopoly nor Marx provides the answer of satisfactory distributive service for a nation of more than 125,000,000 consumers scattered unevenly over more than 3,000,000 square miles of markets.

—O-P-D—

Future of Housing

Too many factors are contributory to the equation to permit an intelligent appraisal of the eventual, or even the nearby, effect of the refusal of Congress to provide additional capital for the United States Housing Administration on the progress of a national housing program. The most potent of these factors will be the response of private enterprise to this checking of the encroachment of government in a promising field of business recovery.

It is not to be assumed that Congress knotted the Federal pursestrings against further expenditures for housing with any feeling either that there is no need to provide additional housing or that the providing thereof is not a desirable objective, even for governmental "investment." In the antagonism to the expansion of the housing fund the economy-mindedness which was at least a small factor derived more from dissatisfaction with methods than from antipathy toward the objective. It could not be demonstrated to the satisfaction of Congress that the housing fund was being efficiently used.

It is fundamentally encouraging to have this evidence of concern that governmental expenditures be efficiently made. There is ample opportunity for a broad application of that doctrine with obvious and substantial benefits to the nation. In fact, the use of the housing fund, inefficient as it may have been, was less open to criticism than were many other outlets of taxpayers' contributions to governmental pump-priming. The housing fund was doing a useful service; that the cost was excessive should not have been astonishing to those who had dealt rather lavishly with other subsidies, grants in aid, and the like.

But, a momentous question has been posed: Will private enterprise rise to the occasion of the unquestionable need for more and especially for better housing? There are complicating factors in this problem, such as, for example, the trust-busting campaign against the construction industries, which may or may not have had some weight in pulling down the congressional balance in which the housing fund was weighed. These are matters which the industries must face without fear or favor, although their labor aspects introduce the unknown quantity of where the National Labor Relations Board and the Federal Trade Commission will meet—and how—on the question of conspiracy and boycotts.

The position of the construction industries is not an enviable one. If they fail to take over the portion of their field from which government has been financially forced to retire, they lay themselves open to disconcerting, if not really serious, questioning of the good faith of their asseverations about the deterrent effects of governmental competition. At the same time they do themselves a sorry disservice by not putting their shoulder to the wheel before the forward momentum of the housing program has been checked. So, the future of housing resolves itself largely to the question of whether the construction industries will and can offer a financing system comparable with that which has induced the public to spend more for automobiles than for homes.

—O-P-D—

Congress Quit In the Negative

The session of Congress which closed a few days ago left a record for negative action. This record is peculiar in that it was made, not by voting "No" on questions of moment, but by refusing to vote at all.

Neither side in the conflict of opinion on these questions was favored. The negative attitude of Congress blocked further governmental spending; it denied reduction of the national tax burden. It refused to provide a lending bridge from the spending terminal; it left the labor relations act inequitable.

Congress quit in the negative. Business just must become positive.

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Heavy Chemicals

Tapering Off in Seasonal Items Precludes Any Expansion in Volume —Chlorine, Soda Ash and Caustic Soda Remain Moderately Active—Shipments of Blue Vitriol and Calcium Chloride Slower

Interest in the market for heavy chemicals remained fairly steady last week. Volume, however, was not broadening. Industrial consumers bought moderately, while seasonal chemicals underwent a normal tapering off from the high levels registered a few weeks previous. Sentiment was good, reflecting the adjournment of Congress; settlement of labor difficulties in automotive centers and the stabilitiy in operations of basic consuming industries. The market lacked any specific price feature and a steady to firm tone prevailed in practically all divisions of the market.

Calcium chloride shipments moved satisfactorily in Eastern states, where little rain fell, but in the South and West more frequent rains retarded shipments for dust control work. Blue vitriol continued to experience a normal seasonal decline from agricultural sources, although withdrawals for water treating, commercial and export were favorable. Shipments of calcium and lead arsenate experienced similar tapering off from peak levels. Business in anhydrous ammonia was making a slightly better showing than at the same time a year ago.

Demand for chlorine, soda ash and caustic acid was moderately active. Copperas was firm. The recent strength in metals made for a firmer tone in lead acetate and zinc sulphate, although prices were unchanged. No change occurred in soda bicarbonate schedules, despite some unsettlement in local jobbing channels. A steady interest was manifest in cyanides for case hardening and electroplating purposes. Potash salts were routine. Tin derivatives fully maintained the recent gains. Acetic and sulphuric acid continued to move satisfactorily in some directions.

Alums.—Business in the market for ammonia, potash and alumina sulphate, commercial and iron-free continued moderately active. Price schedules were without alteration.

Ammonia, Anhydrous. — Shipments were moving against contracts at a normal seasonal pace for refrigerating purposes, and volume was making slight gains over the same period a year ago. Prices ruled firm.

Ammonia, Aqua. — Consumers provided a steady interest in the market, with spot and contract demand moderate last week. A steady to firm price tone governed the transactions.

Ammonia Nitrate.—The market was not especially active, and business was confined to modest proportions as a rule. No change occurred in the quotations. June imports amounted to 530,276 pounds, valued at $7,841, of which 440,000 pounds came from Belgium and 90,276 pounds from Norway.

Ammonia Silicofluoride. — Transactions were limited to nearby needs in this direction. Quotations were without change. June imports were 43,609 pounds, valued at $2,788, all of which came from the Netherlands.

Ammoniac, Sal.—Domestic and import quotations were steady. Business was spotty, although some good size replacement orders were reported at times. June imports aggregated 361,346 pounds, valued at $8,039, of which 223,988 pounds came from Germany; 70,100 pounds from Belgium, and 66,138 pounds from Poland and Danzig.

Antimony.—Price for domestic spot metal held at the 12c. per pound level. Demand was made up of small lots during the past week. There was little feature to the trading in the oxide and needle of antimony, with quotations unaltered. June imports of antimony compounds amounted to 44,800 pounds, valued at $3,593, all of which came from the United Kingdom.

Arsenic.—The glass, ceramic and tanning industries supplied most of the business, but commitments were usually restricted to nearby requirements. Prices held firm. June imports of white arsenic totaled 2,730,942 pounds, valued at $53,617, of which 1,683,880 pounds came from Mexico; 425,120 pounds from Sweden; 215,918 pounds from Canada, and 377,216 pounds from Japan. Imports of red arsenic during June were 22,707 pounds, valued at $3,085.

Barium Salts. — Movements of most barium derivatives were not very large. A steady interest was reported for moderate quantities, however, for the carbonate, chloride and hydrate. Prices held unchanged. June imports of barium compounds aggregated 81,373 pounds, valued at $1,431, all of which came from the United Kingdom.

Bleaching Powder. — Demand was along routine lines during the past week. Prices were the same, and a steady to firm tone prevailed. June imports were 58,300 pounds, valued at $2,302, all of which went to the United Kingdom.

Blue Vitriol.—Although agricultural demand tapered from the prevailing high levels, demand for water treating and commercial purposes continued steady. Export business was also satisfactory. The market failed to reflect the fractional advance in the metal, but the tone of the market was very firm.

Calcium Chloride.—Dry weather continued to benefit the market in most Eastern States; however, rain in some parts of the South and West limited business in these areas. Business as a whole was tapering off from the peak levels. Business currently and so far this year showed gains over the preceding period. Sellers were making plans for the colder weather, especially for concrete curing and ice control work. Price schedules were unchanged. Imports of crude material during June totaled 243,325 pounds, valued at $1,373, all of which came from Germany.

Chlorine.—The call for water treating, sanitation and commercial purposes held moderately active last week. Prices displayed stability, and the market fully retained its more favorable position insofar as production and demand was concerned.

Cobalt Oxide. — Transactions were usually made up of small quantities during the past week. A firm price tone remained in evidence. June imports were 110,600 pounds, valued at $149,861, of which France and Belgium supplied the bulk of the material.

Copper.—Domestic price held at the 10½c. per pound level. Business was satisfactory, running on the average of 1,500 tons per day. Demand abroad was not so brisk; quotations ranged from 10.60c. to 10.71c. per pound. Reports from abroad were to the effect that the foreign cartel has decided to increase production quotas August 16 by 10 percent. Output is currently at the rate of 68,000 tons per month, and the advance will add about 6,500 tons to this figure. The action was taken in view of the heavy demand abroad recently.

Copperas. — Firmness continued to characterize trading in this direction, shipments were made direct from production in the majority of instances, and

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
146.8	**146.8**	**146.8**	**149.2**

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	**99.6**	**99.6**	**99.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

the position of the market changed very little.

Lead Acetate.—The market failed to reflect the higher metal prices recently, but the price tone was firm. Usual consumers were making only necessary quantities at this time.

Manganese Dioxide.—Routine withdrawals against contracts for account of the metallurgical and battery trade provided the activity in the market last week. Prices were unchanged.

Phosphorus.—Demand for the red and yellow material was usually made up of small quantities. Quotations were steady to firm. During June Japan shipped 2,000 pounds to the United States, valued at $355.

Potash Carbonate.—Shipments in the spot market and against contracts were fairly steady. No change occurred in the prices. June imports amounted to 11,148 pounds, valued at $473, of which 11,053 pounds came from the Netherlands.

Potash, Caustic.—Consumers were making moderate withdrawals against contracts throughout the past week. Prices were in line with those prevailing previously. June imports totaled 6,511 pounds, valued at $1,377, all of which came from Sweden.

Potash, Chlorate.—The match trade entered the market for fair size replacements at times to give the market adequate support. Prices ruled unchanged. June imports were 367,342 pounds, valued at $16,285, of which 186,026 pounds came from Switzerland; 91,716 pounds from Sweden, and 89,600 pounds from France.

Saltcake.—Interest from the Kraft paper trade was moderate, with contract withdrawals holding steady. Domestic and imported prices were the same. June imports aggregated 10,621 tons, valued at $95,016, of which 7,042 tons came from Germany and 2,020 tons from Belgium.

Saltpeter.—Spotty conditions prevailed in the market, with most consumers making only necessary replacements at this time. Price schedules were unchanged. June imports totaled 366,602 pounds, valued at $12,626, of which 220,460 pounds came from Germany and 135,583 pounds from France.

Soda Ash.—Business continued to show a steady trend, with most consuming industries entering the market for fair size replacements last week. Price schedules were unaltered.

Soda Bicarbonate.—Quotations for the technical held unchanged. Some unsettlements in local jobbing and repacking channels continued, however. Demand was steady in most directions last week.

Soda, Caustic.—Demand remained at moderately active levels last week. Large consumers made satisfactory withdrawals against contracts, while spot transactions were regarded as favorable. Prices ruled unchanged.

Soda Chlorate.—A fair interest was manifested in the market, the seasonal demand for weed killing purposes has past its peak level. No change was disclosed in the prices. June imports totaled 470,026 pounds, valued at $16,346, of which 390,000 pounds came from France.

Soda Cyanide.—Withdrawals for electroplating and case hardening purposes were steady, with most of the business emanating from automotive centers where active preparations are underway for new models. Prices were without change. June imports amounted to 3,143,512 pounds, valued at $279,694, of which 1,286,722 pounds came from Germany and 1,406,790 pounds from Canada.

Soda Hydrosulphite.—Demand from basic consuming channels such as the textile, paper and leather trade were steady last week. Sellers were adhering to quotations prevailing previously. June imports were 156,821 pounds, valued at $16,436, of which 68,135 pounds came from Albania; 66,640 pounds from the United Kingdom and 22,046 pounds from France.

Soda Pyrophosphate.—Sellers could point to a satisfactory amount of business from the soap industry, while the call for bleaching purposes was also favorable Prices ruled firm.

Soda silicofluoride.—The laundry and glass trade were representative buyers to give the market adequate support. Domestic and imports quotations were unchanged. June imports aggregated 469,603 pounds, valued at $9,186, of which 284,417 pounds came from Denmark; 108,025 pounds from Germany and 77,161 pounds from the Netherlands.

Soda Stannate.—Quotations held at the 32c. to 35c. per pound level established the preceding period. The market tone was firm. Demand was along routine lines during the past week.

Tin Salts.—No further price fluctuations took place in the market for various tin derivatives last week. Price advances recorded recently were well maintained. Straits metal held around the 48¾c. per pound basis.

Zinc Sulphate.—A firm price tone predominated in this direction, reflecting to some extent the firmness in the basic metal. Spot and contract commitments were moderate last week.

Acids

The market for various acids continued to receive satisfactory support from important basic consuming industries last week. Materials entering the textile, metallurgical, leather and plating trades were taken favorably, although commitments in most instances were only moderate. Price schedules were generally maintained at the same levels, and the tone of the market was steady to firm. Production of sulphuric acid by 58 fertilizer manufacturers as compiled by the Department of Commerce shows June output at 140,580 tons, compared with 155,902 tons in May and 114,199 tons in June, 1938. Consumption during June totaled 106,137 tons, against 108,889 tons in May and 102,228 tons in June, 1938. Stocks at the end of June were 80,394 tons, compared with 83,289 tons at the end of June, 1938.

Acetic.—Shipments to the rayon, artificial leather and film industries provided the market with satisfactory support. Price schedules held unchanged. June exports totaled 10,858 pounds, valued at $1,232, of which Columbia, Chile, Cuba and Mexico provided most of the demand.

Chromic.—Interest from the plating trade and other miscellaneous consumers was steady, with volume limited to nearby needs. Prices ruled firm.

Formic.—A moderate buying interest was reported from textile and leather trade during the past week. No change was disclosed in the prices.

Muriatic.—Withdrawals by the metallurgical and sugar trade supplied the market with a favorable amount of orders last week. Price schedules were in conformity with those established some time ago.

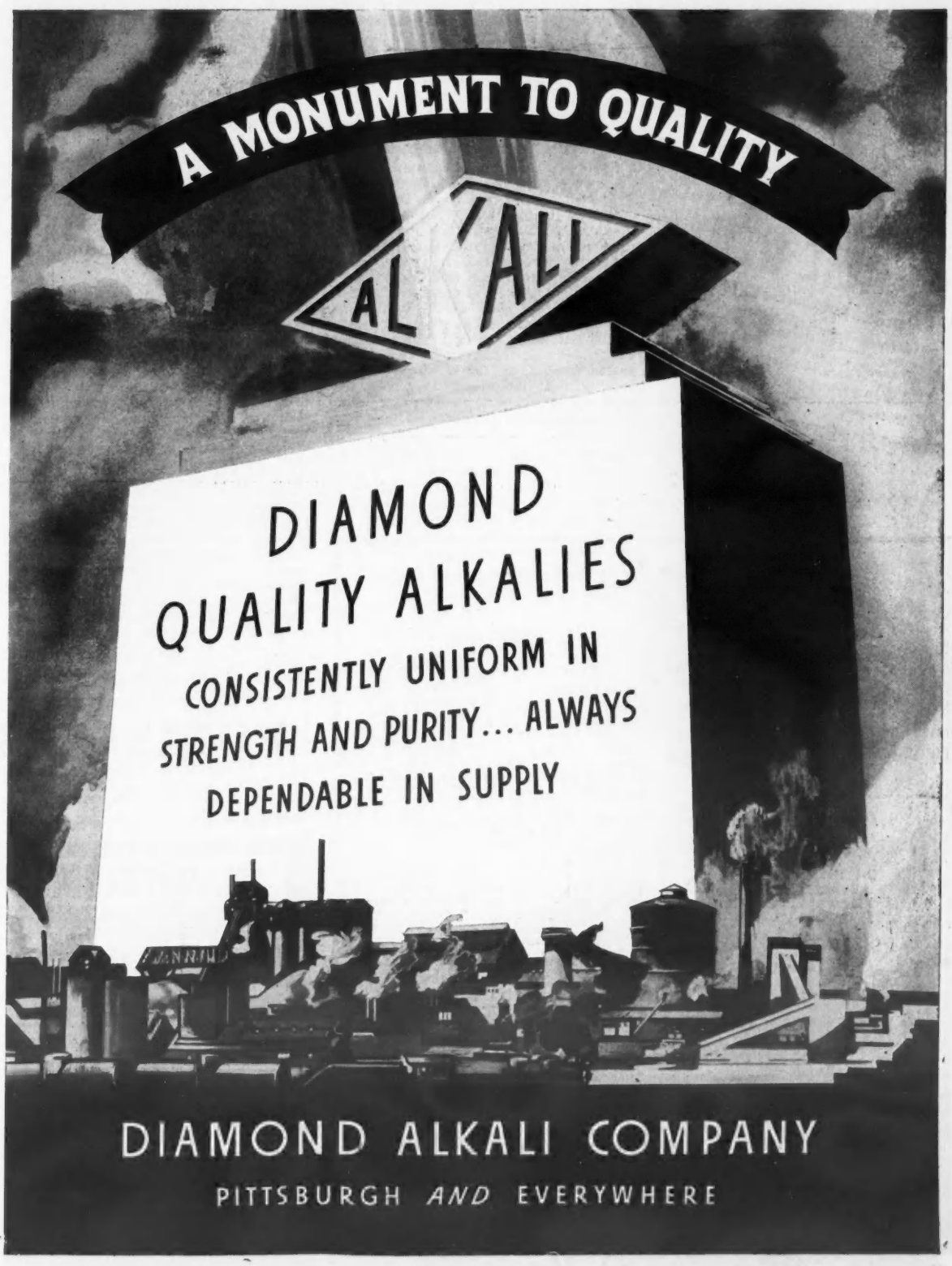
Naphthenic.—Business displayed no particular broadening, but major consumers entered the market for some fair size replacements at times. Prices were without alteration.

Nitric.—Basic consuming industries made moderate withdrawals against contracts as a rule in this direction. Sellers were adhering to prices in force previously.

Sulphuric.—A moderately active demand was in evidence from most important consuming channels last week. Business held most of its recent gains, but displayed little signs of broadening. Steel operations last week were estimated at 60.1 percent of capacity, compared with 59.3 percent in the preceding week and 39.4 percent in tne same week a year ago. Price schedules were unchanged. Statistics on sulphuric acid based on date reported by 56 fertilizer manufacturers released by the Department of Commerce showed June production at 140,580 tons, against 155,902 tons in the preceding month and 114,199 tons in June, 1938. For the first six months production amounted to 963,278 tons, compared with 893.264 tons in the like period a year ago. June consumption amounted to 106,137 tons, contrasted with 108,889 tons in May and 102,228 tons in the same month a year ago. For the first six months consumption aggregated 727,424 tons, compared with 733,912 tons in the corresponding period last year. Stocks at the end of June totaled 80,394 tons, against 90,137 tons in May and 83,289 tons in June, 1938.

Baltimore, Aug. 9.—With business in the sulphuric acid market quiet, it is largely a waiting game now as far as booking additional orders for this commodity is concerned, though there are indications that at least some of the consumers put their estimates of requirements too low and may have to place additional orders to take care of their ultimate needs. All the information available is that industrial activity is expanding, and that earlier

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7



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estimates of materials required to carry on operations may have been too low. The prevailing quotations are unchanged at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. The market for oleum is steady at $17 per ton for 20 percent stocks.

Insecticides

While volume underwent the usual seasonal decline in most important agricultural insecticides and fungicides, a moderate buying interest was still evident in the market last week. Weather conditions in most sections were about normal. In the cotten belt temperatures were mostly moderate for the season. East of the Mississippi River there were widespread but light to moderate showers. Over the western belt, rainfall was again light in many sections. In general cotton maintained mostly satisfactory advance in the central and eastern belt, but less favorable in many western sections, according to the Government's weekly weather report. A United States cotton crop of 11,412,000 bales is forecast by the Crop Reporting Board of the United States Department of Agriculture, based on conditions as of August 1. If realized this will be 531,000 bales less than the 1938 crop, and 2,388,000 less than the ten-year average.

Congress has passed a bill (H. R. 4638) authorizing officials of the United States government to cooperate with officials of the government of Mexico in preparing plans for the eradication and control of the pinkboll worm affecting cotton in the United States and Mexico.

Calcium Arsenate.—Shipments were moving at a moderate pace last week. Weather in the cotton belt continued favorable. Prices were without change.

Lead Arsenate. — While the heavy consuming period was about over, some necessary replacement business was still evident. No change occurred in the price schedules.

Nicotine Sulphate. — Business was along seasonal lines throughout the past week, with little expansion in volume uncovered last week.

Prior Opens Branch Office in Chicago

The Prior Chemical Corporation, this city, has opened a branch office in Chicago. The new office, located in the Carbide & Carbon building, 230 North Michigan avenue, is in charge of F. Dean Hildebrandt who has been the Western representative for the Prior organization since the first of the year. The purpose of the new office, according to H. B. Prior, president of the corporation, is to afford better service to the growing business of the company in the Mid-West. The Prior Chemical Company, manufacturers' agent for a wide range of heavy and fine chemicals, is the sole selling agent for the Standard Chromate division of the Diamond Alkali Company, Painesville, Ohio.

Underwood & Underwood
F. Dean Hildebrandt

Priorities Considers Patents

Some interesting highlights on patents are given in the August issue of *Priorities*, house organ of the Prior Chemical Corporation, this city. The importance of the patent system to the development of American industry is briefly sketched and some of the more noted inventions contributing to that development are mentioned. In lighter vein the story mentions the vast number of patents issued on mere gadgets and the innumerable applications made for patents on such impossible and visionary ideas as devices for perpetual motion. In like mood is treated the high expectations of riches entertained by the gadgeteer inventor.

Universal Sheet Glass & Tile Company has purchased 18 acres of land in Burbank, Cal., on which it will erect a plant for the production of sheet glass, glass bricks, and glass tile.

Trend of Progress In Fungicides

—Continued from page 5

materials. It is regrettable that little is as yet known of the way in which these materials exert their toxic actions, though speculations on this theme would fill a book. In the case of the copper fungicides, for example, the products in use up to four years ago were all based on basic cupric compounds, such as the sulphate, chloride, carbonate, or hydroxide, and on cuprammonium derivatives which, after application, decompose to leave a residue of a basic cupric compound. The generally accepted view is that, by the action of carbon dioxide, leaf and fungal excretions on the basic precipitate a toxic cupric ion concentration is formed in the film of moisture necessary for spore germination, the cupric ion inhibiting germination by absorption or combination with the fungal protein.

Recent work[9] has shown that fungicidal properties are not limited to the basic cupric salts but are shared by most normal cupric and cuprous compounds. Moreover it appears that fungicidal efficiency is not reduced by the addition of extraneous protein, such as casein or gelatin. Finally, copper compounds such as the aminoacetate complex unlikely to yield cupric ions, have shown fungicidal properties not inferior to cupric sulphate. It now appears that there exist forms of copper other than the cupric ion with fungicidal properties. It is possible that these forms will prove less harmful to the plant than the basic copper derivatives, for the use of the latter is precluded on the so-called "copper-shy" varieties of crop-plant. The trend, in this case, is away from the copper fungicides of general toxic properties to both fungus and host plant toward copper products of a more specific fungicidal action.

This phase of development has been passed in the case of the mercury fungicides used for the control of seed-borne cereal diseases. Mercuric chloride exhibits both fungicidal and phytocidal properties, but certain organo-mercury derivatives were found to be more potent fungicidally yet less harmful to the germinating grain. The first of the organo-mercury compounds to be introduced as a seed dressing was "Chlorphenol mercury," probably $Cl(OH)C_6H_3{\cdot}Hg{\cdot}OSO_3Na$. This seed-dressing controlled bunt of wheat so well that growers were tempted to use the dressing for other seed-borne diseases, and failure led to complaints. The manufacturers therefore sought other mercurials effective against a wider range of fungi and the present seed-dressings are mainly based on derivatives, not of phenols, but of unsubstituted hydrocarbons, for example, ethyl-mercuric phosphate, and tolyl-mercuric acetate. The development of these products has been due largely to commercial enterprise and little information of them has been published. It would seem, however, that the present forms of organo-mercury fungicides satisfy well the grower's demand for a "universal" seed-dressing and that the future will be a move away from the poisonous mercury derivatives.

The impression gained by the writer in discussing the question with the commercial firms concerned is that, although potent organic fungicides have been discovered, they exhibit a specificity of action which prevents their appearance in competition with products of more general fungicidal properties. Nevertheless fungicides based on synthetic organic compounds have appeared in the market, the two outstanding examples being salicylanilide[11] originally devised for the protection of textile materials, and tetramethylthiuram disulphide, a compound of mild fungicidal properties discovered originally in the attempt to augment the fungicidal action of sulphur by the addition of rubber accelerators. The greater part of organic chemistry still awaits exploration in the search for synthetic fungicides, but whether such derivatives will be able to compete with inexpensive copper derivatives and sulphur is uncertain.

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German I. G. Floats Loan For First Time Since 1928

OPD Washington Bureau
August 10, 1939

Reflecting its heavy financial requirements for developing large-scale production of synthetic raw materials, in keeping with the country's economic policy, the I. G. Farbenindustrie, A. G., Germany's largest chemical combine, entered the loan market in July and was among the first to take advantage of the official release of the public investment market to private enterprise, according to information received at the Department of Commerce.

The loan, in the amount of 100,000,000 marks, approximately $40,000,000, was issued at 97, runs for 20 years, pays 4½ percent interest, and is callable at 102 after August 1, 1942. The new loan was oversubscribed and is expected to be followed shortly by another large loan of approximately the same amount for financing the capital requirements of the electrical equipment industry. The I. G.'s new issue is the first to be offered publicly by that company since 1928, when it floated a loan in the amount of 250,000,000 marks, of which 175,000,000 are still outstanding.

L. M. Brock, sales manager for Church & Dwight Company, this city, is vacationing at Lake George.

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Chemical Salesmen to Golf At Bonnie Briar Aug. 15

The Salesmen's Association of the American Chemical Industry will hold its third golf tournament of the season at the Bonnie Briar Country Club, Larchmont, N. Y., August 15. P. J. LoBue, of Joseph Turner & Co., Ridgefield, N. J., head of the entertainment committee, informs that any member who participated in the June tournament and whose 1939 dues have been paid will be entitled to a "free-ride" in this tournament. The club also has facilities for swimming and tennis.

War Materials Appropriation Voted

—Continued from page 3

ations of $150,000 for the Geological Survey and $350,000 for the Bureau of Mines to be used in locating domestic supplies of essential minerals and in developing methods for their extraction and concentration.

Officials of the army and navy have not yet announced what materials they intend to purchase during the first year, but they may select as they choose from the lists of seventeen strategic materials and twenty critical materials already approved by the army and navy munitions board. These lists are as follows:—

Strategic materials:—Aluminum, antimony, chromium, coconut-shell char, ferrograde, manganese, manila fiber, mica, nickel, optical glass, quartz crystal, quicksilver, quinine, rubber, silk, tin, tungsten, wool.

Critical materials:—Asbestos, cadmium, coffee, cork, cryolite, flaxseed, fluorspar, graphite, hides, iodine, kapok, nux vomica, opium, phenol, picric acid, platinum, scientific glass, tanning materials, titanium, toluol, vanadium.

Payne Made Vice-President Of Atlas Mineral Products

C. R. Payne has been elected vice-president and a director of the Atlas Mineral Products Company, Mertztown, Pa. For the past four years Mr. Payne has been in charge of research for the company and prior to that was associated with the Mellon Institute of Industrial Research. Raymond B. Seymour, formerly with Goodyear Tire & Rubber Company, Akron, O., has joined the research staff of the Atlas organization, and will devote his time to the development of corrosion-proof materials of construction.

Export Managers to Hear Rowe

The Export Managers Club will hold a luncheon in the Hotel Pennsylvania August 15. The principal speaker will be Joseph W. Rowe, acting agent of the New York agency of the Bank of China. Mr. Rowe recently traveled more than 1,500 miles in Spain. He visited the cities of Bilbao, Burgos, Madrid, Saragossam, Barcelona and Seville.

Chemical Foreign Trade Nearly Balanced

—Continued from page 5

571,000 to 23,000,000 pounds; and oiticica oil, from 1,360,000 to 9,019,000.

Among the medicinal and related product materials, receipts of codliver oil increased from 2,381,500 to 2,896,500 gallons; crude drugs, including cinchona bark, from $3,906,000 to $4,744,000 in value; and medicinal materials, including cinchona products, from $2,323,000 to $2,593,000, according to preliminary statistics.

Imports of coal-tar products increased sharply in the first half of the year to $10,742,000 in value from $7,330,600 in the same months of 1938, due to the heavy receipts of dyes, colors, and stains from Germany.

Other items on the chemical and related product import list recording gains in the first half of the current year compared with the 1938 period, included beeswax, receipts of which increased in value from $298,000 to $447,500; gums, resins, and balsams, from $4,825,000 to $7,828,000; carnauba wax, from $2,494,000 to $2,844,000; vegetable wax, from $152,000 to $347,000; essential oils, from $2,285,000 to $2,755,500; vegetable dyeing and tanning materials, from $2,466,000 to $3,573,000; industrial chemicals, from $7,822,000 to $9,899,000; and soap and toiletry raw materials, from $1,132,800 to $1,310,000.

Other items recording decreases included glue stock, imports of which declined in value from $1,539,500 to $919,680; agar-agar, from $201,000 to $158,000; and industrial explosives, from $475,500 to $270,000.

Export Trade Service Offered by D.of C.

—Continued from page 5

purpose of aiding American business men in promoting the sale of their goods in foreign markets.

Specific trade opportunities in foreign countries for the sale of American products, and lists of foreign importers and dealers in various types of commodities made in the United States are available at the Department of Commerce for use by exporters. Also available are technical reports from foreign countries pertaining to trade regulation affecting American exports.

Secretary Hopkins also announced that a new handbook containing summaries of "marks-of-origin" regulations in force in all countries of the world is now available for distribution to American exporters. The handbook, entitled "Foreign Marks of Origin Regulations," was prepared by the Division of Foreign Tariffs of the Bureau of Foreign and Domestic Commerce to meet the demand for general and particular information on foreign marks of origin. The official laws and regulations of all foreign countries on the subject have been reviewed and summarized. Where special markings of origin are necessary for specified products or under special conditions, those requirements have been set out in full detail so that American exporters and producers may know in advance what will be acceptable to the customs authorities of the various countries.

Copies of the handbook may be purchased directly from the Bureau of Foreign and Domestic Commerce, or through any of the district offices of the bureau located in principal commercial centers of the United States. The handbook contains 186 pages and is priced at 50 cents a copy.

Penna. Salt Earnings Up

Report of the Pennsylvania Salt Manufacturing Company, Philadelphia, for fiscal year ended June 30, 1939, shows net profit of $1,294,087 after depreciation, depletion, Federal, State, and local taxes, equal to $8.63 a share on 150,000 shares of capital stock. This compares with $1,035,498 or $6.90 a share in preceding year.

Manganese Trade Outlook Favorable, Says Williams

In discussing the outlook in the domestic market for manganese, L. M. Williams, jr., president of the Cuban American Manganese Corporation, this city, in his annual report to stockholders, said in part:—

Most important development last year has been the legislation authorizing Federal expenditure of $100,000,000 during the next four years for strategic raw material reserves. In view of the indispensability of manganese to the American steel industry, which is one of the most important factors in the national defense situation, it is expected that the reserves of this material will be created under the terms of this legislation.

As yet the terms for the administration of this act have not been made public, but the probable purchase of manganese by the United States in the near future should have a favorable effect upon the market for manganese.

Mr. Williams added, that the company had in storage approximately 125,000 tons of manganese, including approximately 100,000 tons of high grade ore suitable for the manufacture of ferro-manganese, and 25,000 tons of low grade.

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Caustic Soda
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C.P. Acids and Ammonium Hydroxide
Formic Acid
Glauber's Salt (Sodium Sulfate)
Hydrofluoric Acid
Lactic Acid—Technical and Edible
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Muriatic Acid
Nitric Acid
Oleum
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Sodium Metasilicate
Sodium Phosphate
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Stability in Steel Operations Beneficial to Many Chemicals —Imported Crude Naphthalene Easier—Phenol Steady —Coaltar Colors Moving Better in Some Directions

While the demand for coaltar chemicals was spotty, volume continued to hold at satisfactory levels last week. The position of the market was favorable; higher operations in the steel industry provided improvement in the production of many basic products, particularly coaltar solvents. Export business generally was better, while imports were not regarded as detrimental to certain items as was the case earlier in the year. Domestic price schedules were unchanged, and a steady to firm tone prevailed. A slight concession in imported crude naphthalene provided the only change.

Steel operations last week were estimated at 60.1 percent of capacity, compared with 59.3 percent the preceding week and 39.4 percent in the corresponding week a year ago. Operations during the month of July were at 54.50 percent of capacity, against 33.29 percent in the like month a year ago, according to the American Iron and Steel Institute. Production of benzol, toluol and xylol reflected the improvement in steel operations, and sellers had no difficulty supplying the demand. Movement for export easily absorbed the excess material.

Imported crude naphthalene was available at lower prices, reflecting more the lack of buying interest than any burdensome supplies. The situation in the domestic market changed very little, and the call for the refined and crude was dull. Cresylic acid was in fair demand, although much irregularity prevailed; imported prices were unchanged, and the tone of the market was firmer in view of the better prices in the English market. Replacement buying in phenol was moderate, and export business was slightly better. Pyridin was a firm feature. Major consumers continued to make satisfactory withdrawals of creosote oil.

Coaltar intermediates and acids moved fairly steady, although volume was held to moderate quantities in most instances. June exports of coaltar intermediates amounted to 322,324 pounds, valued at $78,694 with Canada, China, the United Kingdom and Belgium supplying the bulk of the business. Exports of coaltar acids during June totaled 32,372 pounds, valued at $7,894. Activity in coaltar colors was spotty, however, shipments continued to move to some textile and leather channels in satisfactory quantities.

The outstanding gains in chemical exports were in coaltar products during the first half of this year. Exports aggregated $6,318,000, compared with $4,979,000. Exports during June, 1939, of crude coaltar products, not elsewhere specified, totaled $263,736. Other finished coaltar products, exclusive of medicinals, during June amounted to $373,448.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Naphthalene, crude, imported, 5c. per 100 lbs.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
125.2	125.2	125.2	125.9

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Shipments moved against contracts at a steady pace to the lacquer, rubber and chemical processors last week. Withdrawals were made direct from production for the most part, and what little excess material remained was taken for export account. The statistical position of the market continued to display moderate improvement. Steel operations last week were estimated at 60.1 percent of capacity, compared with 59.3 percent in the preceding week and 39.4 percent in the corresponding week a year ago, according to the American Iron & Steel Institute. Steel output in July was at 54.50 percent of capacity, which was exceeded only by 56.30 percent in March and 54.72 percent in February this year. In June the output was at 53.35 percent of capacity, against 33.29 percent in July, 1938. Imports of benzol during June amounted to 105,713 gallons, valued at $11,074, all of which came from Canada.

Creosote Oil.—Railroads, public utilities and other consumers supplied a steady call in the market last week. Most of the transactions were replacements against contracts. Prices were unchanged, and a steady tone characterized the trading. Imports during June totaled 1,646,768 gallons, valued at $194,692 of which 804,116 gallons came from the Netherlands; 753,930 gallons from the United Kingdom and 86,115 gallons from Canada.

Cresols. — Quotations for various grades of materials were without change, and the tone of the market held steady. The synthetic resin and disinfectant trade provided a fair interest in the market. June imports of meta, orto and paracresols, 90 percent or more pure, amounted to 3,472 pounds; valued at $521, all of which came from the United Kingdom.

Cresylic Acid.—Dealings in the market for most grades of acid were spotty. Shipments against contracts in some acids were regarded as satisfactory, however. Domestic quotations were steady. A firmer tone in the foreign market did not reflect in any higher prices for the imported product, but the tone of the market was improved. June imports were 96,225 gallons, valued at $40,812, of which 85,821 gallons came from the United Kingdom; 6,698 gallons from Australia and 3,707 gallons from Germany.

Naphthalene. — Transactions in the market for refined and crude were not very broad during the past week. Price schedules were unaltered. In the imported material a slightly easier tone prevailed and prices declined to the $1.55 per 100 pound basis, with business generally quiet. June imports aggregated 4,146,594 pounds, valued at $39,449, of which 2,900,350 pounds came from Germany; 762,608 pounds from the Netherlands; 318,002 pounds from the United Kingdom and 165,634 pounds from Belgium.

Phenol. — Consumers were making fair size replacements in most instances; however, business was not expanding to any degree last week. Price schedules were unaltered. A slightly better demand was evident in the export market.

Pitch, Coaltar.—Demand was strictly routine throughout the past week. Prices held unchanged, and a firm tone predominated. June imports amounted to 12,457 barrels, valued at $15,036, all of which came from Canada.

Pyridin.—A firm price tone continued to characterize the trading in the market for the refined and denaturing material. Shipments continue to move direct to consuming channels.

Tar Acid Oils.—A moderate buying interest was reported for the account of the disinfectant trade throughout the week. Price schedules were in conformity with those prevailing previously.

Toluol.—A satisfactory demand was evident in this direction, with the lacquer trade and other consumers keeping supplies of material at low levels. A firm tone remained in evidence.

Xylol.—The market fully retained its firm price tone last week. Shipments against contracts to the surface coating trade made up most of the business, and demand was steady.

Chicago Coaltar Bases

A considerable amount of trade interest in the coaltar bases is being expressed currently, both in inquiries and in actual orders. Meanwhile the price structure has been holding steady, with tone good. Orders for coaltar solvents have been about all that could be expected, sellers

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

report. New supplies coming upon the market have been quite ample, with steel industry operations still fairly high. Ruling prices exclusive of tax are: Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 22c.; 10-degree xylol, 29c.; solvent naphtha, 26c.; creosote oil, grade 1, 13c. to 14c.

Coaltar Acids

Anthranilic.—Shipments of the refined and technical grades were fairly steady, consumers, however, limited quantities to small lots as a rule. Prices held firm.

Broenner's. — Quotations were without change, and a firm tone characterized the dealings in this direction. Business was strictly routine.

Cleve's.—Developments of importance were lacking in the market, trading was restricted to take care of nearby prodution needs. No change was disclosed in the prices.

Fumaric.—Spot and contract withdrawals were along moderate lines during the past week. Sellers were adhering to quotations in force previously.

Maleic.—Principal consumers entered the market for necessary replacements, but little evidence of any forward buying made its appearance. Prices ruled unchanged.

Picramic. — Withdrawals were not extensive, and usually modest quantities made up the bulk of the business. Quotations were without alteration.

Succinic.—Dealings were not very active, and interest was largely composed of small commitments last week. Sellers were adhering to prices in force for some time.

Sulphanilic. — Buying was fairly broad, but held to current requirements in the majority of instances. No change was disclosed in the quotations.

Other Intermediates

Alphanaphthol.—A firm price tone predominated in this direction. Consumers made only necessary commitments.

Anilin.—Movement to dyestuff manufacturers was fairly good during the the tone of the market was steady to firm.

past week. Prices were unchanged, and

—Continued on page 28

Hercules Makes Trescher And McKee Acting Managers

F. George Trescher has been named acting manager of the San Francisco office of Hercules Powder Company. J. B. Johnson, former manager, was recently transferred to the home office in Wilmington as director of purchases. Mr. Trescher has been actively identified with the explosives industry for many years and has been a member of the Hercules West coast organization since 1925.

R. W. McKee has been named acting manager of the Birmingham, Alabama, office of Hercules Powder Company, following the sudden death on August 1 of J. J. Grimes, manager for the last twenty-one years. Mr. McKee has been identified with the Hercules organization since 1922 as salesman and technical representative. He was named assistant manager of Birmingham office under Mr. Grimes December 1, 1938.

Continental Can Earnings

Consolidated net earnings of Continental Can Company, Inc., and its wholly owned subsidiaries, for the twelve months ending June 30, 1939, based partly on estimates and subject to current year-end adjustments, amounted to $12,437,433, which, after providing $5,207,290 for depreciation, depletion, and Federal income taxes, left net earnings available for dividends of $7,230,142. After deducting $900,000 to cover dividends on 200,000 outstanding shares of $4.50 cumulative preferred stock, there remained $6,330,142 of net earnings applicable to the common stock, equivalent to $2.21 a share on 2,853,971 common shares of $20 par value outstanding June 30, 1939.

Nickel Alloy Steels Data On Applications Detailed

An interesting collection of facts and photos concerning the properties and applications of nickel alloy steel appears in the August *Nickel Steel Topics*, published by the International Nickel Company, manufacturer of metals and copper sulphate. Noticeable among the items are several describing new or unusual uses in which nickel alloy engineering has resulted in higher efficiencies. A copy of the booklet may be obtained from the International company, 67 Wall street, New York, men tioning the REPORTER.

Paint Engineer Wanted

The New York Civil Service Commission, 96 Duane street, this city, will receive applications until August 31 for a position of assistant engineer, grade 4, on paint, varnishes and chemicals, at $3,120 per annum. Requirements of applicants calls for an appropriate baccalaureate degree recognized by the University of the State of New York and not less than three years of satisfactory experience of a nature calculated to qualify for the preformance of the duties specified; or a satisfactory equivalent of the foregoing. An appropriate master's degree will be considered as the equivalent of one year of such experience; an appropriate doctor's degree as the equivalent of three years. A professional engineer's license must be presented at the time of certification. To be eligible for appointment, candidates must have been bona fide residents of New York City for at least three years at time of appointment.

Dicyandiamide Data Available

"Dicyandiamide and Guanidine Compounds" is the title of an informative booklet just published by the organic chemicals department of the American Cyanamid & Chemical Corporation, this city. It presents voluminous data on the history, chemical structure, physical and chemical properties, solubilities, chemical reactions, and commercial uses of dicyandiamide, guanidine carbonate, guanidine nitrate, and the guanylurea compounds. The booklet is especially valuable, since it specifies the literature sources of the information presented, suiting it admirably as a starting point in the study of these compounds, which are rapidly growing in importance because of their interesting potentialities. A copy of the booklet may be secured by addressing the American Cyanamid & Chemical Corporation, 30 Rockefeller Plaza, New York, mentioning the REPORTER.

Aluminum Co. Ruled Not Holding Company

OPD Washington Bureau
August 9, 1939

The Aluminum Company and several subsidiaries have been exempted by the Securities and Exchange Commission from the requirements of the registration under the holding company act on the ground that the subsidiaries were not public utility companies. The commission found that the subsidiary companies, the Aluminum Ore Company and the St. Lawrence River Power Company, furnished most of their output to the Aluminum Company of America and very little to other users. The government's antitrust action against the Aluminum Company of America, which started June 1, 1938, before Judge Francis G. Caffey in the Federal court in New York has been adjourned until November 8.

Tennessee Corp. Pamphlet Discusses Ferric Sulphate

The Tennessee Corporation, Atlanta, Ga., is distributing a booklet describing the application of its ferric sulphate. The booklet discusses the use of ferric sulphate in the treatment of sewage and sewage sludge; for the treatment industrial wastes from textile mills and paper mills; for the removal of dissolved chemicals and organic matter; and for the treatment of drinking water supplies where a ferric salt is required for coagulation. A sample of the product is available by writing the company, which also has a plant in Lockland, Ohio, and mentioning the REPORTER.

Electroplaters Manual Issued

The electroplating division of E. I. du Pont de Nemours & Co. has just issued a technical service manual giving data on the preparation and use of "Cadalyte" bright dip in cadmium plating. The bulletin describes what "Cadalyte" bright dip does, the procedure for its use, the preparation of the solution, the operation, and the advantages claimed for it. Copies of this technical service manual can be had on application to the electroplating division of E. I. du Pont de Nemours & Co., Wilmington, by mentioning the REPORTER.

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V 136 17
AUG 1939
XUM

Coaltar Chemicals

—Continued from page 27

Other Intermediates

Anthraquinone. — Consumers entered the market when needs became urgent, and volume displayed no signs of expanding last week. Prices were without change.

Benzidine Base.—A steady demand for small quantities was the rule in this direction throughout the week just ended. A firm price tone characterized the trading.

Betanaphthylamine.—Demand for the technical grade was spotty. Prices were in conformity with those prevailing previously.

Dimethylaniline. — Shipments against contracts were moving at a satisfactory pace, with spot withdrawals made on a moderate basis. No change was disclosed in the prices.

Dinitrobenzene.—A moderate demand remained in evidence during the past week. Pricewise a steady to firm tone prevailed.

Dinitrophenol.—The market lacked any renewed buying interest of consequence, and shipments were made for nearby requirements. Prices ruled the same.

G. Salt.—Usual consumers supplied the call for modest quantities last week. Prices were without alteration.

Nitrobenzene. — Business was moderately active throughout the week under review. Prices were in line with those in force for some time.

Orthonitrotoluene.—A steady to firm price tone prevailed in the market. Commitments were somewhat irregular last week.

Paratoluidine.—Developments of importance were lacking, and trading was about routine. Prices were unchanged.

Phthalic, Anhydride.—Volume was sufficient to keep the tone of the market firm, with major consumers making fair size replacements from time to time.

Thiocarbanilide.—Business was not expanding to any degree although interest was maintained at steady levels for moderate quantities. Prices ruled unchanged.

Coaltar Colors

Activity in the market for coaltar colors was irregular last week. Shipments were moving in satisfactory volume in some directions. Woolen manufacturers were taking a more active interest in the market as preparations were going forward for winter season. A better demand was evident from some cotton goods mills, while rayon and leather provided a moderate call. The market lacked any feature as far as prices were concerned and the tone of the market remained firm.

In spite of the rapid expansion of the Rumanian chemical industry, it cannot yet supply all internal requirements and imports are still important. Rumania is still almost completely dependent on foreign countries for anilin dyes and a large number of organic chemicals which either are not manufactured in the country in sufficient quantities or of which qualities locally produced are inferior and cannot be used for all requirements. During 1938 there were imported 10,508 metric quintals of anilin dyes, compared with 15,908 metric quintals in 1937 and 8,923 quintals in 1936. The Rumanian import market is largely dominated by German products, according to the American consulate at Bucharest.

Thurmalox Co. Offering New Protective Coatings

A new line of heat resistant protective coatings suitable for stacks, boilers, stills, and other hot equipment, has been placed on the market by the Thurmalox Company, Philadelphia. The new coatings, it is claimed, not only give continued protection to metal serfaces over a range of temperatures from ordinary conditions to temperatures of 1,800 degrees Fahrenheit without discoloring, cracking, or peeling, but are also resistant to the elements and corrosive liquids and fumes. They are available in black and aluminum. Literature describing the new line may be secured from the Thurmalox Company, 3109 North Broad street, Philadelphia, mentioning the REPORTER.

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Business Gain in July Reported by Hopkins

—Continued from page 3

ments in the domestic field, the secretary said. Business policies generally reflect less hesitancy than prevailed during a considerable part of the second quarter. Indicative of the more confident attitude toward Fall business is the enlarged volume of retailer commitments in wholesale markets. Orders in many apparel and clothing lines, for example, show substantial gains over 1938 volumes. The sustained flow of goods into consumers' hands during the second quarter has required replenishment of stocks, and this factor, together with seasonal purchasing for the Autumn, has been reflected in manufacturers' orders. Industrial purchasing has expanded, unusually large commitments being made in some lines—forward purchases of copper achieved record volumes last month.

Retail trade in July was well ahead of a year ago with marked gains continuing in consumers' durable goods such as automobiles, refrigerators, furniture, and electrical appliances. Consumers' budgets have benefited from the lower food costs, making possible enlarged expenditures for other items. General merchandise sales in rural, as well as urban areas, are making a relatively favorable showing. Consumption of gasoline in July was at record levels. Consumers' incomes in July were higher on a seasonally adjusted basis than in June, the preliminary data indicated. This followed a substantial increase in employees' compensation from May to June.

Industrial activity in July was maintained at a better-than-seasonal rate, the secretary said. The contraseasonal increase in steel production from the June average of 53 percent of capacity to 60 percent by the end of July stood out among the month's developments. While automobile production last month was temporarily slack by reason of the earlier-than-usual changeover to new models, preparations for the 1940 cars are actively underway. Movement of freight over the railroads increased somewhat more than seasonally expected and was 12 percent larger than in July, 1938. Industrial volumes generally showed large gains over July of last year, although some narrowing in the year-to-year percentage increases resulted from the sharp rise in progress in the Summer of 1938. Industrial production is currently one-fifth larger than a year ago.

While July business in all major areas was substantially ahead of a year ago, activity in most lines lagged behind volumes in the Summer of 1937. Wide divergencies relative to the 1937 position are evident in various sectors. Most durable goods industries continue to make relatively unfavorable comparisons with that period; many consumers' goods industries are close to the 1937 levels. Some important lines show higher operations than in the Summer of 1937. Among these are included the shipbuilding, aircraft, petroleum refining, electric power, and construction industries.

Grinding Mills Cataloged

A catalog of the latest types of Raymond mills developed for grinding, drying and separating powders, by the Raymond pulverizer division of the Combustion Engineering Company, Chicago, has just been published. Interesting among the more than a dozen units described and pictured is a whizzer-equipped roller mill. The revolving whizzer blades in this machine are said to insure faster and more uniform classification, increasing mill capacity 25 to 50 percent in the pulverization of hard materials and up to 100 percent on softer materials. It is especially recommended for grinding pigments and chemicals, natural and synthetic chalks, clays, and limestone fillers. Copies of the bulletin, Number 42, may be secured by addressing the Raymond division, 1315 North Branch street, Chicago, mentioning the REPORTER.

Margarin Manufacturing Operations Off in June

According to figures reported to the Bureau of Internal Revenue, Washington, the margarin manufacturers' production in June, 1939, compared with June, 1938, as follows:—

	Pounds 1939. June.	1938. June.
Total production of uncolored oleomargarin	*21,030,442	†27,816,727
Total withdrawn tax-paid	20,729,401	27,854,024

Ingredients used in the production of colored and uncolored margarin in June, 1939, compare with June, 1938, as follows:—

In Uncolored Margarin

	Pounds 1939. June.	1938. June.
Babassu oil	1,104,573	453,942
Beef fat	14,530	.....
Coconut oil	2,120,921	7,392,601
Corn oil	21,094	4,451
Cottonseed oil	6,702,223	9,476,549
Derivative of glycerin	49,406	60,909
Lecithin	5,547	6,382
Milk	4,093,818	5,266,285
Neutral lard	81,705	114,883
Oleo oil	997,320	1,384,079
Oleo stearin	259,907	297,774
Oleo stock	114,521	190,769
Palm kernel oil	.....	259,006
Peanut oil	166,581	385,826
Salt	919,007	1,143,134
Soda benzoate	8,784	10,776
Soybean oil	5,435,208	2,619,596
Vitamin concentrate	1,194	1,073
Total	22,096,341	29,068,035
Total production of colored oleomargarin	‡80,150	§120,988
Total withdrawn tax-paid	15,840	32,758

In Colored Margarin

Babassu oil	1,768	176
Coconut oil	7,726	40,522
Color	100	110
Corn oil	1	.....
Cottonseed oil	6,233	25,574
Cottonseed stearin	120	.....
Derivative of glycerin	303	301
Lecithin	4	1
Milk	17,921	26,066
Neutral lard	3,275	5,560
Oleo oil	11,430	20,935
Oleo stearin	338	900
Oleo stock	4	375
Palm kernel oil	.....	367
Peanut oil	138	157
Salt	4,440	7,233
Soda benzoate	33	34
Soybean oil	34,640	9,016
Vitamin concentrate	1	1
Total	88,475	137,328

* Of the amount produced, 26,028 pounds were reworked.
† Of the amount produced, 27,488 pounds were reworked.
‡ Of the amount produced, 376 pounds were reworked.
§ Of the amount produced, 190 pounds were reworked.

Fats and Oils Sulphonation Statistics Are Released

There were sixty-five establishments reporting fats and oils subjected to sulphonation during the quarter ended June 30, according to the Bureau of Census. The following tabular statement gives a summary of the reports.

Animal

	Pounds.
Tallow	1,582,987
Neatsfoot oil	346,917
Cod oil	1,962,138
Sperm oil	560,272
Red oil	373,813
Miscellaneous	69,937
Total	4,896,064

Vegetable

Coconut oil	116,915
Corn oil	126,448
Olive oil	340,531
Castor oil	2,997,064
Teaseed oil	1,345,831
Miscellaneous	181,012
Total	5,107,801

Soap exports from Germany during the first quarter of 1939 were valued at 2,783,000 marks against shipments of such products valued at 2,443,000 marks in the same months of 1938.

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Dyestuffs, Textile and Leather Chemicals

Demand for Most Products Continues Along Conservative Lines —Myrobalans Lower—Ground and Leaf Sumac Advanced —Zinc Dust Higher—Bichromates Moderately Active

Buying of dyestuffs, textile and leather chemicals was not very extensive last week. With few exceptions, movement to consuming channels was held to modest quantities. Fall buying by textile and leather consumers was rather slow in getting underway, with the exception of some improvement in woolen mill operations, other leading consumers were not expanding operations to any extent. Price changes included advances for zinc dust, ground and leaf sumac; declines were registered in J1 and J2 myrobalans.

Despite the sharp drop in corn derivative prices, consumers were ordering cautiously. However, a steadier price tone was evident in view of the narrow fluctuations in the basic commodity. Egg products were quiet, and prices were maintained at the levels established the preceding period. Blood albumen continued in a tight position, with domestic and imported stocks inadequate to meet the demand.

The textile and leather trade made fair size replacements of bichromates, but business was not broadening to any extent. The call for prussiates was routine. Interest was fairly steady for logwood, cochineal and fustic from usual consuming channels. Price movements in raw tanning material were confined to myrobalans and sumac, other materials were steady. There was little feature to the trading, with tanners orders close to production requirements; chestnut extract and quercitron were moving in moderate volume against contracts.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Sumac, ground, 50c. per ton
leaf, $1 per ton
Zinc dust, 3/20c. per lb.

Reduced

Myrobalans, J1, $2 per ton
J2, $1 per ton

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
134.1	134.1	135.9	151.7

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—Dyestuff and woolen manufacturers were showing moderate buying interest for the solution and powdered material last week. Prices were steady to firm.

Antimony Salt.—Small quantities made up the call in this direction. Despite the dull nature of the dealings, prices were well sustained.

Potash Bichromate.—Interest in the market was maintained at moderate levels. Pricewise a steady to firm tone governed the dealings.

Potash Prussiate.—The call for the red and yellow material was routine throughout the past week. Prices ruled unchanged. June imports amounted to 24,255 pounds, valued at $4,956, all of which came from the Netherlands.

Soda Bichromate.—Textile and leather trade were reported as making fair size replacements at times during the past week. The market fully retained its firm price tone. Exports during June amounted to 617,090 pounds, valued at $41,657, of which 112,000 pounds went to the United Kingdom; 172,500 pounds to Canada and 107,133 pounds to Mexico.

Soda Prussiate.— No change was disclosed in the spot and contract quotations, and a steady price tone prevailed. Transactions were about fair. June imports totaled 177,581 pounds, valued at $10,603, of which 78,352 pounds came from the Netherlands; 66,138 pounds from Belgium and 33,091 pounds from Japan.

Zinc Dust.—Quotations advanced 15 points in sympathy with the firmness in the basic metal market, making car lots 6¾c. per pound and less car lots 7¼c. per pound. Business was moderate.

Dyestuffs

Annatto. — Consumers made small commitments as a rule last week. Prices held at the same level. June imports amounted to 2,000 pounds, valued at $71, all of which came from Ecuador.

Cochineal.—Textile industry supplied a moderate demand for nearby needs. Prices were in conformity with those established some time ago.

Fustic.—Movement of material was not large, but interest in the market was fairly steady. Prices remained unchanged.

Logwood. — The leather and textile trade entered the market for necessary replacements during the week just ended. A steady to firm price tone predominated. June exports of logwood extract aggregated 43,518 pounds, valued at $6,804, of which 23,075 pounds went to Canada and 17,075 pounds to the United Kingdom.

Turmeric.—Quotations for the Madras held unchanged. Business was quiet. June imports were 263,512 pounds, valued at $9,219, all of which came from British India.

Sizing Materials

Albumen, Blood.—The position of the market remained tight in view of the inadequate domestic supplies and the absence of any imports of consequence. Sellers adhered to quotations in force previously.

Albumen, Egg.—While the tone of the market remained easy, prices established the preceding period were without further alteration. A steadier tone prevailed in the imported product. Business was dull. In order to keep down the volume of egg imports, worth $38,000,000 in 1938, Germany is striving to develop substitute products, the Department of Commerce stated. Recent exhibits at the Leipzig Agricultural Fair showed two newly developed products designed to be used as substitute for the white of eggs.

Dextrin.—A fair buying interest was reported at the lower levels established recently, but caution on the part of large consumers was still evident. The basic commodity held about steady last week, with prices fluctuating in a narrow range.

Starch.—Various grades of corn starch were taken moderately, and, despite the lower prices, consumers were not inclined to anticipate future requirements. Prices were without change. The Department of Agriculture forecast this year's corn crop at 2,459,888,000 bushels based on condition of the crop on August 1. The forecast a month ago was 2,507,795,000 bushels. Corn production last year was 2,542,238,000 bushels and the ten year average 1928-37, was 2,309,674,000 bushels.

Tanning Materials

Mangrove Bark.—Prices for the fibrous and non-fibrous held firm. Demand was rather limited.

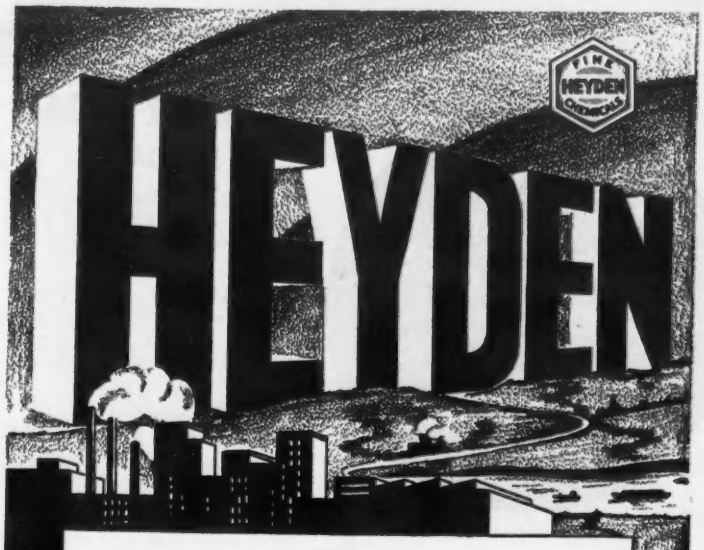
Myrobalans.—Quotation for J1's was lowered $2 per ton to $24, while J2 declined to $19, off $1 per ton. R2 myrobalans remain nominal. There was little feature to the dealings.

Quercitron.—Consumers were making fair size replacements as a rule in the market last week. No change occurred in the quotations.

Sumac. — The ground material advanced 50c. to $66 per ton, while the leaf was $1 higher at $69 per ton. Withdrawals were held to nearby needs.

Valonia.—No change occurred in the quotations, and the tone was steady. Business was held to modest proportions last week.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7



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6712 Union Avenue Cleveland, Ohio

Titanium Output Increase Planned by National Lead

The National Lead Company, titanium division, this city, will open the third unit at its Sayreville, N. J., plant, providing capacity production for the first time since the plant was constructed in 1935. Equipping the third unit was underway last week, completion expected by the middle of 1940. The second unit of the plant was opened earlier this year.

The plant, devoted entirely to the production of titanium dioxides, was completed in 1935. It consists of three units, the first of which started operations immediately. A heavy demand for titaniums led to the opening of the second unit, while the third building will be put in operation for the same reason. The combined output of the second and third units will triple the original production.

Paint Container Costs Boosted by Regulations

—Continued from page 5

pensive containers; the ICC 5 drum costs $6; ICC 5E 18-gauge, $2.50—a difference of $3.50 per drum. Some of the other numbers may be had on more favorable terms, perhaps, and the 5B sells for $4; but the 5B is omitted from the 55-gallon packages prescribed. The National Paint, Varnish and Lacquer Association recorded objections against this, and the Bureau of Marine Inspection and Navigation has promised to re-examine this question, with a view to accommodating the minimum needs of the paint and varnish industry, by including 5E drums within the regulations up to 55 gallons' capacity.

Another Example

The proposal is so obviously meritorious that favorable action may be anticipated, but the proposal to include the 55-gallon 5E drum for our inflammable lines presents only one feature of the contemplated regulations. Another concern paints, varnishes, lacquers, etc., with a flashpoint above 80° F. designated semi-inflammable in the bureau's new classification.

This classification authorizes the use of ICC 5E drums in capacities up to 55 gallons, but the limitation upon the use of the 5E drums to a single trip precludes their reuse in the distribution of our noninflammable lines (flashing above 80° F) and double the cost of containers for this purpose, if our low-flashpoint products are now to be treated as dangerous. A 5E drum, new, costs $2.50; but second-hand alcohol drums, extensively used in the trade for the distribution of noninflammable (low-flash) products, cost approximately $1 a drum. These drums readily stand a second trip, and single-trip limitation applies only when used for the transportation of inflammables.

Exclude High-Flash Products

The National Paint, Varnish and Lacquer Association has requested the Bureau of Marine Inspection and Navigation to give consideration to excluding all of the industry's high-flashpoint products from the regulations, as the Interstate Commerce Commission did nine years ago, October 1, 1930. There is nothing in the record of the transportation of these products, the association points out, to justify tightening the regulations, and the Interstate Commerce Commission is considering the exclusion of our remaining high-flash products in boxed cans because experience has shown that, as prepared for shipment, they are not dangerous.

To develop the extent to which fire hazards attend the handling of paint, varnishes, and lacquers, the National Paint, Varnish and Lacquer Association has had recourse to the annual reports of the Bureau of Explosives of the American Railway Association and finds that for the past ten years, 1929 to 1938 inclusive, the property loss due to this cause aggregated only $2,916. Obviously negligible, this loss, when related to total sales of $3,213,000,000 for the period, sinks into significance.

If limiting the use of 5E drums to 5 gallons' capacity and denying their reuse for noninflammable products were necessitated by considerations of safety for the lives of passengers and the property of vessels at sea, there could be no valid objection. But the record of hundreds of thousands of these drums used without accident for the initial distribution of low-flashpoint products, and the secondary use for high-flashpoint products, support the proposition that no benefits commensurate with the increased costs imposed are possible.

The National Paint, Varnish and Lacquer Association has recorded objections to these and other features of the regulations, but lack of manifested interest on the part of affected industries is cultivating the impression that these changes are of small consequence. Every industry that ships by water in the intercoastal and export trade, should accept appointment as a committee of one to write to H. C. Shepheard, acting director of the Bureau of Marine Inspection and Navigation, Washington, and voice objections.

J. F. Condon of the Warner Cellulose Products, Inc., Brooklyn, returned from an extended vacation in Cape Cod.

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Paint, Varnish, Lacquer Materials

Slab Zinc Advanced—Zinc Oxides Unchanged—Casein Prices Up —Carbon Black Demand Slackens—Rosin More Active—Titanium Sales Improve

The highlight of the market for raw paint materials last week was the advance in the price of prime Western zinc. The increase brought the price in important consuming regions of the East to a price equivalent to a fraction of a cent per pound above the price of imported zinc at those points. The advance was not reflected in the quotations for zinc oxides and leading suppliers of the pigments doubted that advances would be made.

The demand for titanium pigments began to pick up again, following several weeks of sluggishness. Call for stocks of carbon black began to taper off but the background of the market was still healthy. Conditions surrounding the casein market were still improving and the prices for domestic and Argentine material were advanced.

Dark rosins and turpentine were shaded in the Savannah market at one time last week, but in the main the undertone of primary centers for naval stores was steady or firm. Rosin met with an increased demand from makers of paper and soaps as well as other consumers. Turpentine was quiet as far as new business was concerned, but the movement on unfilled contracts apparently held up well.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Casein, dom:, ¼c. to ½c. per lb.
Argentine, 1½c. to 2c. per lb.
Turpentine, gum, ¼c. per gal.
Zinc, slab, 15 points per lb.

Reduced

Rosin, gum, 2½c. to 30c. per 280 lbs.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
131.2	**131.2**	**131.2**	**131.1**

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

The price of slab zinc was raised 15 points last Monday to a level of 4.75c. per pound, base East St. Louis, and 5.15c. at New York. This advance followed a 10 point increase about ten days previous. It was reported that a considerable amount of stocks moved at the new price. The increase brought the price in important consuming regions in the East to a price equivalent to about ¼c. per pound above the price of imported zinc at those points. The Prime Western Producers Committee of the American Zinc Institute reported July sales of slab zinc for July delivery totaled 5,271 tons at a weighted average selling price of $.04505, basis East St. Louis, and sales for subsequent delivery totaled 26,160 tons at a weighted average selling price of $.04511, same basis. There were also 75 tons sold at the weighted average price for August, and 2,980 tons sold at the price date of shipment.

Lead prices were firm during the period under review with sales holding well at a good level. World production of lead during June decreased 18,617 tons to a total of 150,576 tons, against May output of 169,193, according to the American Bureau of Metal Statistics. Production in the United States during June totaled 37,237 tons, against 43,036 in the previous month, a drop of 5,789 tons.

Lead.—Prevailing spot prices at New York, East St. Louis, and London for the period from August 5 to August 11, inclusive, were as follows:—

	Pigs				
	Per pound		Spot London. Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday ..	$0.0485@.0490	$0.0470	16	1	6
Monday ...	.0495@.0500	.0480	*	..	..
Tuesday ...	.0495@.0500	.0480	16	1	3
Wednesday.	.0495@.0500	.0480	16	0	0
Thursday ..	.0505@.0510	.0490	15	18	9
Friday	.0505@.0510	.0490	15	18	9

* Holiday.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from August 5 to August 11, inclusive, were as follows:—

	Slabs				
	Per pound		Spot London. Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0500	$0.0460	14	10	0
Monday	.0515	.0475	*	..	..
Tuesday	.0515	.0475	14	12	6
Wednesday ..	.0515	.0475	14	8	9
Thursday	.0515	.0475	14	8	0
Friday	.0515	.0475	14	6	3

* Holiday.

Pigments

Most materials in this division of the raw paint field were moving in routine fashion last week. Zinc oxide prices were unaffected by the metal advance. Lead oxides were holding well, following the pig lead advances two weeks ago. There was a pick-up in titanium business.

Orange Mineral. — Recent price advances did not tend to slow down trade in this pigment and demand, although seasonally light, held to previous levels. Pricewise, there was no change.

Red Lead. — Consumers were still fairly active and although shipments were for small-sized lots of material only, they were steady and regular throughout the period under review. The advanced price was firm.

Titanium Pigments.—A small pick-up in demand was in evidence following several weeks of decline. Shipments last week were still below the tonnage of any week in July, however. Prices held firmly to previous levels.

White Lead.—The long-standing price continued firmly last week, with demand only fair and shipments into consumption small in volume. Exports of this pigment from Canada during the first six months of this year totaled 144,300 pounds, a sharp increase from the 22,300 pounds recorded during the corresponding period of 1938. Values were $10,838 and $1,870, respectively.

Zinc Oxides. — The advance in the price of slab zinc failed to affect the quotations of these pigments which continued firmly. Major suppliers were inclined to predict that prices would not be revised as a result of the metal advance. Demand last week was very good and shipments held at a high level.

Fillers and Extenders

Although local jobbers and some of the primary suppliers of inert pigments and extender products were optimistic regarding Fall prospects, the market for most materials continued routine last week. Sole activity seemed to be in the market for gypsum. Prices were unchanged.

Barytes.—Domestic suppliers and importers reported no new features. Both demand and prices held to previous levels. Shipments were irregular.

Gypsum.—Sales volume this year to date was very satisfactory to major suppliers and was reported far ahead of last year. Because of the pick-up in the trade, one of the largest suppliers has added another turn at one of its Eastern mills. Four turns of six hours each are now working, with the plant running seven days each week.

Varnish Gums

Reports from both this country and abroad indicated a routine market last week for all types of gum. Potential consumers were showing little indication to take on additional stocks of supplies. Shipments were for small-sized lots of material only and were far from

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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regular. All prices continued as quoted. Imports of all types of varnish gums into the United States during the first six months of 1939 amounted to 38,875,227 pounds, a decided increase of the first six months of 1938, when the figure was 25,310,564 pounds.

Synthetic Resins

The market for ester gum continued seasonally quiet and routine last week. Local suppliers were quoting an unchanged price of 6¼c. to 6¾c. per pound for shipments of 10,000 pounds or more, and 6½c. to 7c. per pound for smaller lots. Offerings attracted only a small amount of buying interest.

Dry Colors

The market for both chemical and earth colors was holding up well during the period under review. The Summer trade has been unexpectedly good this year and, although light, is believed far ahead of last Summer. A slight slackening in the carbon black market was the only item of note.

Bone Black.—The quiet seen in the market for several weeks continued last week. Demand was light and shipments small in volume. Unofficial reports were that sales volume last month was fairly satisfactory and was considerably ahead of July, 1938.

Carbon Black. — Following several weeks of heavy demand, buying interest in this color tapered off last week. Tire manufacturers apparently had enough stocks on hand to cover needs of the near future and therefore were not ordering out any additional supplies. Although figures have not as yet been compiled, sales volume during July was undoubtedly at a very high level and far ahead of the same month last year. Production of carbon black in Texas during June amounted to 1,211,987 pounds, compared with 1,065,742 pounds in June, 1938, according to the Texas Railroad Commission. Total output during the first six months of 1939 amounted to 7,078,099 pounds, compared with 6,792,068 pounds during the similar period last year.

Cadmium Lithopone.—The advance in the metal price failed to affect the quotation for this color during the period under review and material was being offered at the same figure that had stood for several months. Shipments into consumption were fairly regular last week although seasonally light in respect to tonnage.

Iron Oxide.—There was no change in the long-standing price of this color last week. Demand was routine and shipments fairly steady. Exports of this material from Canada during the first six months of 1939 amounted to 2,455,500 pounds with a stated valuation of $77,928. No comparative figures for 1938 are available.

Driers

A fairly good amount of material was moving on contract but spot shipments of stearates, palmitates, and other materials in this division of the paint trade were sluggish during the period under review. All prices were firm and unchanged at quoted levels.

Naval Stores

Southern markets had a steady or firm undertone last week although quotations on dark rosins and turpentine at Savannah were shaded at one time early in the period. Offerings were light throughout the week, however, with scarcity still noted of certain grades of rosin, some dealers having allowed their supplies to fall to unusually low levels at a time when the movement of these grades to primary points was abnormally small.

Business in rosin last week was more active. Consumers and dealers were not inclined to purchase ahead so far as the placing of new orders was concerned, but makers of paper and soaps were in the market more numerously for moderate lots. Also the movement of both rosin and turpentine to consumers and dealers on contracts previously placed apparently held up well for this period of the year, and in the case of turpentine, the indications, in the opinion of some, still point to a material increase in consumption during the current year as compared with last season.

Receipts in primary markets have latterly shown some increase, but this is expected to prove only temporary. The movement for the season thus far shows a material decrease as compared with last season and estimates of a curtailment of production for the year of 25 percent are still regarded by not a few as conservative.

Exports of gum rosin during June, according to official statistics, were 48,501 barrels; wood rosin, 29,406 barrels. Exports of gum turpentine, 1,089,826 gallons; wood, 147,245 gallons. Pine oil exports, 99,999 gallons. Other gums and resins, 584,025 pounds.

Turpentine. — Quiet conditions prevailed much of the time in the local market last week. In some quarters a fair inquiry was noted but as a rule purchasing was limited to small lots to fill the current requirements of consumers and dealers. Changes in quotations were narrow.

SAVANNAH, Aug. 11.—The turpentine market had a steady undertone. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
*Saturday	...	...	...	...	.....
Monday	23¾	184	316	173	27,100
Tuesday	23¾	88	345	21	27,424
Wednesday	23½	27	127	10	27,541
Thursday	23¾	102	205	55	27,691
Friday	24	51	165	...	27,856

* No trading.

JACKSONVILLE, Aug. 11.—The turpentine market was quiet. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
*Saturday	...	...	...	...	.....
Monday	23¾	...	337	...	53,223
Tuesday	23¾	...	120	2	53,341
Wednesday	23¾	...	167	2	53,506
Thursday	23¾	...	131	...	53,637
Friday	23¾	...	133	...	53,770

* No trading.

PENSACOLA, Aug. 5.—The turpentine crop movement was moderate. Following is a record of the market for the week:—

	Barrels Receipts.	Shipments.	Stocks.
Monday	230	...	22,894
Tuesday	213	...	23,107
Wednesday	32	169	22,970
Thursday	33	...	23,005
Friday	83	...	23,088
Saturday	19	162	22,945

CHICAGO, Aug. 11.—Trade in the turpentine market remains quiet. Ruling prices at the close of business last night were:—Five-drum lots, 32c. per gallon; five wood barrels, 37c.; single drums, 35c. single barrels, 40c.

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LONDON, Aug. 11.—Quotations on turpentine were as follow:—

	Per cwt. in bbls. s.	d.
*Saturday	..	..
*Monday	..	..
Tuesday	33	0
Wednesday	32	9
Thursday	32	9
Friday	32	9

* Holidays.

Stocks of American turpentine in London were:—

	Aug. 11.	Previous week.	Last year.
Barrels	18,043	16,896	28,139

Rosin.—Business in the local market was on a fair scale last week. Purchasing was generally limited to comparatively small or moderate quantities for prompt shipment, but the movement of such lots for the period showed some increase over the previous week. Quotations were generally steady.

SAVANNAH, Aug. 11.—Rosin offerings continued light. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$4.00	$3.90	$3.90	$3.90	$3.90
D	...	4.00	3.90	3.90	3.90	3.90
E	...	4.10	4.10	4.10	4.10	4.10
F	...	4.55	4.55	4.55	4.55	4.55
G	...	4.75	4.75	4.75	4.75	4.70
H	...	5.10	5.10	5.10	5.10	5.05
I	...	5.10	5.10	5.10	5.10	5.05
K	...	5.10	5.10	5.10	5.10	5.05
M	...	5.20	5.20	5.20	5.20	5.15
N	...	5.40	5.40	5.40	5.40	5.30
WG	...	5.85	5.85	5.85	5.85	5.75
WW	...	6.20	6.20	6.20	6.20	6.15
X	...	6.25	6.20	6.20	6.20	6.20
	Barrels					
Sales	...	299	314	251	300	190
Receipts	...	1,726	1,450	753	1,024	800
Shipments	...	1,008	520	85	196	...
Stocks:—	...	291,751	292,681	293,340	294,177	294,977

* No trading.

JACKSONVILLE, Aug. 11.—The rosin market was quiet with the tone steady. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$3.35	$3.35	$3.35	$3.35	$3.35
D	...	3.85	3.85	3.85	3.85	3.85
E	...	4.50	4.50	4.50	4.50	4.10
F	...	4.85	4.85	4.50	4.50	4.50
G	...	4.85	4.85	4.85	4.70	4.70
H	...	5.05	5.05	5.05	5.10	5.10
I	...	5.05	5.05	5.05	5.10	5.10
K	...	5.05	5.05	5.10	5.10	5.10
M	...	5.10	5.10	5.10	5.15	5.10
N	...	5.30	5.30	5.30	5.35	5.30
WG	...	5.70	5.70	5.70	5.75	5.75
WW	...	6.25	6.25	6.20	6.20	6.20
X	...	6.25	6.25	6.20	6.20	6.20
	Barrels					
Sales	...	258	...	150	121	204
Receipts	...	981	913	550	423	714
Shipments	...	...	3	...	...	1
Stocks:—	...	312,447	313,357	313,907	314,330	315,143

* No trading.

PENSACOLA, Aug. 5.—Rosin was quiet and steady. Following is a record of the market for the week:—

	Barrels— Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	365	1,100	167	140	427	79
Shipments	175	135	...	...	682	...
Stocks	63,843	64,808	64,975	65,115	64,680	64,939

CHICAGO, Aug. 11.—Most rosin buying is of a nature to indicate continuing conservatism on the part of the trade, but the tone generally seems to be rather steady. Ruling prices at the close of business last night were:—B grade, $6.80 per lot of 280 pounds; G grade, $7.75; M grade, $8.20; W.W. grade, $9.20.

LONDON, Aug. 11.—Quotations on American rosin were as follows:—

	Per cwt. in barrels— Common. s.	d.	W.W. s.	d.
*Saturday	..	..	..	..
*Monday	..	..	..	..
Tuesday	15	7½	18	0
Wednesday	15	7½	18	9
Thursday	15	7½	18	9
Friday	15	7½	18	9

* Holidays.

Pine Oil.—Business continued along conservative lines, the movement of moderate quantities to local and other consumers being fair. Quotations were steady.

Pitch.—No broadening of trade was noted here, consumers and dealers being disinclined, as usual at this season, to purchase in advance of current needs.

Rosin Oil. — The market retained a steady tone, quotations generally being held at previous levels. There was a fair inquiry for moderate quantities for prompt shipment.

Tar. — The market remained in a steady position. There was a fair inquiry, the movement apparently being up to normal for this period of the year.

Shellac

Foreign shellac markets were inert last week. Regardless of the fact that a holiday on Monday shortened the business week in London, price activity was totally lacking. A similar price situation prevailing in Calcutta. Locally, business pursued a quiet course in which open quotations remained constant throughout the period and deviations from the same were the exception and not the rule. Buyers' requirements seemed well cared for either by warehoused stocks or existing contracts. June imports of shellac totaled 1,469,827 pounds of unbleached material and 4,216 pounds of bleached goods. In addition, 1,017,470 pounds of crude lack, mainly sticklac, were imported.

Calcutta, Aug. 11.—Shellac quotations on the landed New York basis, ex dock, net cash, were as follows:—

	Per pound— Aug. 11.	Aug. 4.
August	9c.	9¼c.

Day-to-day quotations were as follows:—

	Per pound.
August 4	9¼c.
*August 5	.....
August 7	9c.
August 8	9c.
August 9	9c.
August 10	9c.
August 11	9c.

* No cables.

London, Aug. 11.—Prices quoted on London standard T. N. shellac, basis of sterling exchange at $4.88, were as follows:—

	August 11— Shillings. Cwt.	Cents. lb.	August 4— Shillings. Cwt.	Cents. lb.
October	34½	7.52	34½	7.52
December	35½	7.74	35½	7.74

Day-to-day closing prices were as follows:—

	Per hundredweight— October.	December.
August 4	34s 6d	35s 6d
*August 5	... ..	... ..
†August 7	... ..	... ..
August 8	34s 6d	35s 6d
August 9	34s 6d	35s 6d
August 10	34s 6d	35s 6d
August 11	34s 6d	35s 6d

* No cables. † Holiday.

Lacquer Materials

Withdrawals of lacquer materials and solvents were fairly steady last week. It is still too early to compare business with July, which was considered very satisfactory, but the market continued to receive favorable buying support from many major consuming channels for this time of the year. The market failed to record any changes, and the tone of the market was steady to firm.

Acetone.—Demand from the rayon, artificial leather and lacquer trade provided the market with a satisfactory volume of business last week. Prices ruled firm. June exports amounted to 1,292,925 pounds, valued at $76,797, of which The Netherlands, Sweden and Japan received most of the material.

Amyl Acetate.—The position of the market remained firm, and transactions were fairly steady during the past week. June exports totaled 16,758 pounds, valued at $2,448, of which 7,480 pounds went to Brazil 4,680 pounds to Belgium and 2,364 pounds to Turkey.

Butyl Acetate.—Quotations were unchanged, and the tone of the market remained steady last week. Sellers received orders for fair size quantities last week. June exports aggregated 330,683 pounds, valued at $24,371, of which 117,000 pounds went to the United Kingdom and 120,144 pounds to Australia.

Butyl, Alcohol.—Demand for the normal and secondary material was moderate, with consumers coming in the market for necessary replacements. Prices held unchanged. June exports were 381,300 pounds, valued at $27,864, of which 211,960 pounds went to Japan.

Glues and Binders

Casein.—A consistently good demand throughout the week, coupled with the further depletion of supplies gave strength to prices here during the period under review and the domestic casein were advanced ¼c. to ½c. per pound, while the Argentine product was increased 1½c. to 2c. per pound. Domestic 20-30 mesh was offered at 11½c. to 12c. per pound in car lots; 13c. to 13½c. per pound for five tons or more; and 14¼c. to 14½c. per pound for smaller lots. Domestic 80-100, 12c. to 12¾c. per pound for car lots; 13½c. to 14c. per pound for five tons; and 14¾c. to 15c. for smaller lots. Argentine material was offered at 11½c. to 12¼c. per pound for car lots of 20-30 mesh, while car lots of 80-100 mesh material were sold at 12c. to 12¾c. per pound.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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PROBLEM

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Pigment Color Division GLENS FALLS, N. Y.
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STANDARD ALCOHOL CO.
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What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

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Two-hundred-ninetieth Instalment

Nitrocellulose

Solvents for Nitrocellulose

(Continued from August 7 issue)

Monohydroxyalkyl ethers of glycerin
Monohydroxyalkyl ethers of polyhydroxy alcohols
Mononitromonochlorhydrin
Naphthalene
Naphthalene benzylnitrochloride
Naphthalene bromide
Naphthalene chloride
Naphthalene nitrobromide
Naphthalene nitrochloride
Naphthalene trichloride
Naphthol
Naphthyl acetate
Naphthyl benzoate
Naphthyl carbonate
Naphthyl ether
Naphthyl phosphate
Naphthyl propionate
Naphthyl thiopropionate
Naphthylanilide
Naphthyldihydrocarvone
Naphthylphenyl ether
Neutral acetic acid glycerin esters
3-Nitro-4-acetamidobenzoic acid
Nitroacetylcellulose
Nitrobenzene
Nitrobenzoyl nitrate
Nitrobutylcellulose
Nitrocymene
Nitroglycerin
Nitroisobutylglycerol trinitrate
Nitronaphthalene
Nitronaphthalene trichloride
Nitronaphthyl acetate
Nitrotoluene
Oxanilide
Paranitrotoluene
Pentacetyllevulose heptacetate
Pentacetyllevulose monoacetate
Pentacetyllevulose tetracetate
Pentaerythritol acetate
Pentaerythritol benzoate
Pentaerythritol formate
Pentaerythritol maleate
Pentaerythritol oxalate
Pentaerythritol phthalate
Pentaerythritol succinate
Phenanthrene
Phenanthrylmethyl ether
Phenetol
Phenyl acetylsalicylate
Phenyl benzoate
Phenyl carbamide
Phenyl carbonate
Phenyl citrate
Phenyl formate
Phenyl glycide
Phenyl maleate
Phenyl paratoluenesulphonate
Phenyl phosphate
Phenyl propionate
Phenyl salicylate
Phenyl tartrate
Phenyl thiophosphate
Phenylaceto-2-naphthalide
Phenylanilide
Phenylanilide phosphate
Phenylbenzyl ether
Phenylhydrazin
Phenylmethyl carbamide
Phenylparatoluenesulphoethylanilide
Phenyl-phosphoric diethylanilide
Phenyl-phosphoric diethylester
Phenyl-phosphoric dicresylanilide
Phenyl-phosphoric dimethylanilide
Phenyl-phosphoric dimethylester
Phenyl-phosphoric dinaphthylanilide
Phenyl-phosphoric dinaphthylester
Phenyl-phosphoric diphenylanilide
Phenyl-phosphoric diphenylester
Phenylurea
Phenylurethane
Phthalic acid esters of 2 butyloctanol
Phthalic esters
Polyethyleneglycols
Polyhydroxy alcohols
Propyl acetate
Propyl acetylsalicylate
Propyl benzoate
Propyl carbamate
Propyl carbanilate
Propyl carbonate
Propyl chlorostearate
Propyl oleate
Propyl oxalate
Propyl oxamate
Propyl palmitate
Propyl stearate
Propyl thioether with methanol
Propylene oxide
Propyleneglycol isopropylether
Propyleneglycol methylether
Pyrantan A
Pyrocatechol
Pyrocatechol diethylether
Quinone
Resorcinol diacetate
Resorcinol monoacetate
Salipyrin
Salol
Santalol ethoxyacetate
Santalol methoxychloroacetate
Santalol methoxyacetate
Santalol methovychloroacetate
Solvent E13,E33,GC,-RS200,8950,555
Secondary amly acetate
Secondary amyl alcohol (partially)
Secondary butyl acetate
Secondary butyl alcohol (partially)
Secondary hexyl alcohol (partially)
Sextate methylhexanol acetate
Sextone betamethylcyclohexanone
Sextone cyclohexanone
Sodium alcoholate
Sodium stannite
Sorbitol
Sorbitol acetate
Sorbitol benzoate
Sorbitol formate
Sorbitol maleate
Sorbitol oxalate
Sorbitol phthalate
Sorbitol succinate
Succinic acid esters of 2-butyloctanol
Sulphobenzide
Sulphocarbanilide
Sulphonal
Tamasol J
Terpine
Terpinene
Terpineol
Terpineol butyrate
Terpinyl acetate
Terpinyl diacetate
Terpinyl propionate
Tertiaryl alcohol uretanes
Tetracetyllactose heptacetate
Tetracetyllactose monoacetate
Tetracetyllactose octacetate
Tetracetyllactose tetracetate
Tetrachloroethane
Tetrachloroethylacetanilide
Tetrachloromethane
Tetraethylglycol
Tetrahydrofurfuryl acetate
Tetrahydrofurfuryl alcohol
Tetrahydromethylpropylbenzene
Tetramethylnaphthalene
Tetraphenylurea
Thujone
Thymochinon
Thymol
Toluene benzylnitrochloride
Toluene bromide
Toluene chloride
Toluene nitrobromide
Toluene nitrochloride
Tolyldimethylpyrazolon
Tolypyrin
Tolypyrin salicylate
Tolysal
Triacetin
Triamyl borate
Trichloroanilin
Tricresyl phosphate
Tridimethylcyclohexylcarboxylic acid
Triethyl citrate
Triethyleneglycol
Trihydroxylbenzene
Trihydroxyglutaric acid
Trimethyl borate
1:1:3-Trimethylcyclohexanone
Trimethylnaphthalene
Trinitrophenetol
Trional
Triphenyl phosphate
Urea acetate
Urea benzoate
Urea butyrate
Urea formate
Urea naphthoate
Urea niterate
Urea oxalate
Urea propionate
Ureau salicylate
Urea sulphate
Urea valerate
Veratrol
Vetivenol acetate
Vinyl acetate
Vinyl chloroacetate
Xylamide
Xylene benzylnitrochloride
Xylene bromide
Xylene chloride
Xylene methylsulphonamide
Xylene nitrobromide
Xylene nitrochloride
Zein

Special Solvents for Nitrocellulose

High Boiling
(Between 150° and 200°C)
Adronol acetate
Anon
Benzyl alcohol
Diacetone alcohol
Diethyl oxalate
Ethyl acetate
Ethyl acetoacetate
Ethyl benzoate
Ethyl lactate
Methylanon
Methylcyclohexanone

Low Boiling
(Below 100°C)
Acetone
Ethyl acetate, anhydrous
Ethyl alcohol, anhydrous
Ethyl propionate
Isopropyl acetate
Isopropyl alcohol
Methanol
Methyl acetate

Medium Boiling
(About 125°C)
Amyl acetate
Amyl alcohol
Butyl acetate
Butyl alcohol
Butyl propionate
Diethyl carbonate
Ethyl butyrate
Methylcellosolve
Monochlorobenzene
Orthodichlorobenzene
Pentexel
Propyl normal butyrate
Tetrahydrofurfuryl alcohol

Stabilizing Agents for Nitrocellulose

Acetates
Aesculin
Alcohol
Alkaloid acetates
Alkaloids
Alkanet root
Alote
Ammoniac
Ammoniated albumen
Apomorphine
Apomorphine acetate
Caffeine acetate
Calcium carbonate

(To be continued)

Oils, Fats, and Waxes

Cottonseed Oil Prices Down to New Lows—Linseed Reduced by Crushers—Crude Coconut Shaded—Soybean Lower —Perilla Up Again—Tallow and Lard Weaker

There was no broadening of business in miscellaneous oils, fats and greases last week. In the case of certain imported paint oils, a good inquiry continued to be noted, but purchasing in the general market continued along narrow lines, a further decline in cottonseed oil and lard futures making consumers disinclined to depart from a very conservative course. The trend of prices was downward.

Chinawood oil remained in a firm position in the absence of any increase in offerings from foreign or local sellers. Perilla oil continued to meet with a good inquiry and the market was stronger, sales being reported at a further advance. Oiticica oil was in light supply and the market retained a firm tone. Coconut oil was easier. Soybean oil was reduced further by producers.

Tallow was quiet much of the time, and with offerings somewhat freer, the market had an easier tone, sales being reported at a further decline. Greases were also shaded. Quotations on animal oils were generally held at previous levels. Cash lard was irregular in the local market, changes in quotations being moderate. Refined fish oils were steady at the recent decline.

The government monthly crop report put the condition of soybean as of August 1 at 89 percent, the highest condition for that date on record. In the five states which produce most of the commercial crop of soybeans the August 1 condition ranges from 9 to 18 points above average. Corn production was estimated at 2,459,888,000 bushels against 2,542,238,000 bushels last year. Peanut production estimated at 1,299,930,000 pounds against 1,309,400,000 pounds last season.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Perilla oil, ½c. per lb.

Reduced

Beeswax, African, crude, ½c. per lb.
Coconut oil, crude, ⅛c. per lb.
Corn oil, ⅛c. per lb.
Cottonseed oil, crude, ⅛c. per lb.
Grease, ⅛c. per lb.
Lard, 25c. per 100 lbs.
Linseed oil, 2/10c. per lb.
Soybean oil, ⅛c. per lb.
Tallow, ⅛c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
97.4	98.6	99.0	107.6

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Chinawood.—Quotations in the local market were stationary during the week, with the figures still mainly nominal and general conditions about as noted in the previous period. There was no material change in the situation abroad. Offerings from China were still reported as very light, with the prices quoted above those prevailing here. There was no increase in offerings from local sellers. In such circumstances few transactions were reported during the week although inquiries were not lacking. Importations during June were 6,629,614 pounds; total for six months ended with June 37,459.022 pounds.

Coconut.—The markets here and on the Pacific Coast were easy. Local quotations on crude oil were reduced ⅛c. per pound and reports were current of sales among dealers on the coast at 2½c., though producers there were quoting 2⅝c. There were reports of a fair inquiry. Importations from the Philippine Islands from January 1 to July 29 were 208,778,437 pounds, or 46.60 percent of the allowable quota.

SAN FRANCISCO, Aug. 8.—Crude coconut oil is quoted on the basis of 2⅝c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills for prompt or future shipment. Resellers were reported to have moved oil at 2½c., which constitutes buyers' ideas in general. Although a fairly consistent outlet at good prices is being offered copra shippers at source by European markets, copra nevertheless weakened slightly here last week, when offerings were put into this trading area at 1.65c. per pound, c.i.f. Pacific Coast ports. Crushers here however, state they cannot do business at above 1.60c. because of the prevailing price of coconut oil and as a consequence, this market remains very quiet, with but little trading in progress.

Corn.—The market for crude oil had an easy tone, this apparently being a reflection of recent developments in other commodities. Quotations were shaded ⅛c., but offerings were reported as light. There was a fair inquiry.

Oiticica.—A firm tone continued to prevail. A good inquiry was reported throughout the week. Spot supplies in some quarters appeared to be small and offerings for shipment remained light. Sales were reported at 17c. per pound and upward for liquid oil, according to quantity and seller. Importations during June were 3,691,394 pounds.

Olive.—There were reports of a somewhat better inquiry, but aside from this the situation lacked new features of interest. Offerings were light on spot and for shipment and the market retained a steady tone.

Palm.—Quieter conditions prevailed last week, buyers being inclined to hold off for further developments in other commodities. Offerings for shipment were reported as light, and the market had a fairly steady tone.

Peanut.—Crude oil was reported as quiet, but offerings continued light and quotations underwent little change. Refined oil was steady with a fair inquiry.

Perilla.—The market was strong with the inquiry good. Supplies in some quarters appeared to be small. Sales were reported at as high as 12c. per pound in tankcars, and there appeared to be little if any available at below that figure for prompt delivery. Importations during June were 4,120,135 pounds.

Soybean.—Prices continued to weaken in company with competing product. There were sellers of crude oil at 4c. per pound in tankcars, f.o.b. mills, or equal to 4½c. here. Importations of soybean oil during June were 789,630 pounds.

Markets at Other Centers

San Francisco, Aug. 8.—Business in the general list of vegetable oils here continued on a fairly broad scope last week and, with the possible exception of coconut oil, the market as a whole either continued to hold the gains established in price just recently or, in one or two cases showed further advances.

BABASSU.—Babassu nut oil is quoted on the basis, of 5½c. per pound in tankcars, f.o.b. mills, Pacific Coast.

OITICICA.—Strong. Raw liquid, oiticica oil, laboratory controlled, uniform quality, standard specification, quoted on the basis of 16½c. per pound in drums and/or tankcars, f.o.b. San Francisco for spot stocks or future delivery from Brazil. Other grades, in light supply, quoted at 16c. per pound. Solid oil named at 15c. per pound, nominally.

COTTONSEED. — Domestic bleachable cottonseed oil is quoted on the basis of 6c. per pound in tankcars, f.o.b. Pacific Coast mills. Foreign oil is not offered on a future shipment basis.

PERILLA. — Stronger. Business has been active for deliveries to the East Coast. Perilla oil is quoted on the basis of 11.8c. per pound in tankcars, f.o.b. San Francisco for both prompt and future deliveries.

RAPESEED.—Refined and denatured rapeseed oil is quoted on the basis of 6c. per pound in tankcars, nominally, f.o.b. Pacific Coast ports for shipment from spot stocks or from the Orient.

TEASEED.—Free acid teaseed oil is quoted on the basis of 9¾c. per pound in drums or tankcars, f.o.b. San Francisco for shipment out of the Orient.

Chicago, Aug. 11.—The vegetable oil market in general is tending to an easy tone, with prices on some materials a little lower than any yet recorded in the recent easiness encountered.

COCONUT.—Coast basis, August-forward, 2⅝c. to 2¾c. per pound. Refined, edible oil, 8⅜c. to 8½c. per pound, barrels, car lots; and 9c. to 9¼c., barrels, less than car lots.

CORN.—Crude, low acid, 5c. to 5¼c. per pound, partly nominal. Refined, edible oil, 8¼c. to 8½c. per pound, barrels, car lots; and 8¾c. to 9c., barrels, less than car lots.

CHINAWOOD.—Ruling spot, 23½c. per pound; August-forward, nominal.

SOYBEAN.—Crude, mills, August-forward, 4c. to 4½c. per pound.

The market for soybeans on the Chicago Board of Trade was quieter, trading in futures being on a smaller scale than in the previous week. Interest in cash beans was also limited. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Aug. 11.	Closing Aug. 4.
October	$0.69	$0.67⅜	$0.68	$0.69
December	.68	.66	.66¾	.68½

London, Aug. 3.—Soybean oil, crude, 25s. 6d. per cwt.; rapeseed, refined, 32s. 9d.; palm kernel, refined, English, 25s.; peanut, Bombay, 23s.; whale, crude, Rotterdam, 16s.

Flaxseed prices were irregular in domestic and foreign markets. Linseed oil lower. Cake and meal steady.

Flaxseed—DULUTH, Aug. 11. — Rains have been frequent and heavy and over a large area. Not only will they help flaxseed growth but will alleviate to a large degree the growing grasshopper menace. Reports from flax sections are very encouraging, and were quite so before the rains began. Grasshoppers have done heavy damage in some places, but their depredations were not so widespread as feared.

The week's closing price range was as follows:—

	Cash.	Sept.
Saturday	$1.47	$1.44½
Monday	1.45½	1.42
Tuesday	1.48¾	1.45
Wednesday	1.50¼	1.47
Thursday	1.54½	1.51
Friday	1.54½	1.52

Crop movement in bushels follows:—

	Receipts 1939.	Receipts 1938.	Shipments 1939.	Shipments 1938.
This week	.....	1,705	.....	.....
Since Aug. 1	.....	5,214	21,750	.....

MINNEAPOLIS, Aug. 11.—The new flaxseed season came over the hill at a gallop Monday when 230 cars of new crop quality containing 276,000 bushels rolled into this market. Since that day receipts have been

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)
RUBY OLEINE
BRAND (*distilled*)
STAR BRAND
(*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)
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MAIN OFFICES
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220 East 42nd St., New York City
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CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
SPOT Woolworth Building New York, N. Y. FUTURE

A. GROSS & CO.
We Specialize in WHITE OLEINE
Since 1837 Manufacturers of Saponified and Distilled
FLAKE STEARIC ACID STEARIC ACID RED OIL
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STEARIC and BEESWAX CANDLES CHURCH ACCESSORIES
Sales Office: 122 East 42nd Street New York
Factories: Newark, N. J. and Baltimore, Md.

TALLOW
LARD OIL
NEATSFOOT OIL
ANIMAL STEARINE
ACIDLESS TALLOW OIL
INDEPENDENT MFG. CO.
Bridesburg P. O. Philadelphia, Pa.

W. C. HARDESTY CO., Inc.
41 East 42nd Street New York
RED OIL STEARIC ACID
Saponified - Distilled
HYDROGENATED FATTY ACIDS (HYDREX)
Cottonseed Oil Fatty Acids Coconut Oil Fatty Acids
Palm Oil Fatty Acids Corn Oil Fatty Acids
Lauric Acid Specialty Fatty Acids
Glycerine - Pitch - White Oleine
FACTORIES: Dover, Ohio - Los Angeles, Calif. - Toronto, Canada
CALIFORNIA OFFICE: 5636 East 61st Street, Los Angeles
Cable Address "EPILOGUE"

smaller but very liberal compared with previous seasons. Crusher buyers were avid after supplies and absorbed the offers without loss in premiums over September futures. All of the local crushers were in the market and some from the outside. Commercial interests also took on supplies and local elevator stocks increased 90,000 bushels in four days compared with a gain of 5,000 bushels in the same period a year ago.

Virtually all of the incoming supply originated in Minnesota territory and quality was good. A few scattered cars came from South Dakota and a few from the Red River Valley of North Dakota. The latter seed failed to come up to expectations in point of quality but crushers still are hopeful of getting some good seed from North Dakota. Most of the early run was damaged by drouth or cut prematurely on account of grasshoppers.

Crushers are out to build up sufficient reserves to start crushing operations and not only are taking spot seed as freely as offered but continue to absorb arrive offers freely. Considerable of the flax received during the past few days were turned over on arrive contracts.

The week's closing price range was as follows:—

	Cash.	Sept.	Dec.
Saturday	$1.47	$1.44	$1.44½
Monday	1.45½	1.42½	1.43¼
Tuesday	1.48⅝	1.45⅝	1.45½
Wednesday	1.49½	1.46½	1.47
Thursday	1.54¼	1.51	1.51
Friday	1.54½	1.51½	1.51

Crop movement in bushels follows:—

	Receipts 1939.	Receipts 1938.	Shipments 1939.	Shipments 1938.
This week	944,400	21,440	49,200	27,360
Since Sept. 1	3,283,400	3,714,430	741,150	386,082

WINNIPEG, Aug. 11.—Trading in flaxseed futures continued quiet. Price changes generally moderate. The week's closing price range was as follows:—

	Cash.	Oct.	Dec.
Saturday	$1.29	$1.30	$1.26½
*Monday	...	...	...
Tuesday	1.28	1.29	1.25½
Wednesday	1.28	1.29	1.26½
Thursday	1.30	1.31	1.29
Friday	1.29	1.30	1.27¼

* Holiday.

Buneos Aires, Aug. 11.—Opening prices per bushel on August contracts were:—

	Last week.	Last year.
Saturday	$1.11⅞	$1.16
Monday	1.11⅞	1.16⅝
Tuesday	1.11⅞	1.13⅞
Wednesday	1.12	1.13
Thursday	1.12⅝	1.12¼
Friday	1.12⅝	1.08⅝

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Exports

To—	Bushels Last week.	Previous week.	Last year.
United States	417,000	232,000	303,000
United Kingdom	....	....	....
Continent	476,000	425,000	228,000
Orders	4,000	....	197,000
Others	*118,000	216,000	118,000
Totals	1,015,000	873,000	846,000

* To Canada.

Since January 1

To—	Bushels This year.	Last year.
United States	10,928,000	6,491,000
United Kingdom	548,000	1,082,000
Continent	17,679,000	14,424,000
Orders	6,932,000	5,917,000
Others	2,414,000	1,360,000
Totals	38,521,000	29,274,000

Visible Supply

	Bushels.
Last week	4,724,000
Previous week	4,724,000
Last year	6,299,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels Last week.	Previous week.	Last year.
United Kingdom	400,000	492,000	648,000
Continent	36,000	.....	160,000
Others	*112,000	.....	12,000
Totals	548,000	492,000	820,000

* To Australia and Japan.

Since April 1—	Bushels This year.	Last year.
United Kingdom	4,672,000	5,356,000
Continent	296,000	388,000
Others	288,000	84,000
Totals	5,256,000	5,828,000

HULL, Aug. 11.—Quotations on flaxseed were:—

	Per ton La Plata.	Bombay.
*Saturday	...	...
*Monday	...	...
Tuesday	£11⅛	£13⅛
Wednesday	11⅛	13⅛
Thursday	11¼	13⅛
Friday	11¼	13⅛

* Holiday.

Linseed Oil.—The market here was easier and more or less unsettled much of the time during the past week as a result of sharp competition among crushers. Quotations were reduced to 8.1c. to 8.3c. per pound in tankcars, according to seller, but considerable business was reported to have been closed at several points under the inside price. Outside markets were also weaker.

A development of interest was the publication on Thursday of the monthly government report on the domestic flaxseed crop. The indicated production as of August 1 was 15,750,000 bushels which compared with an estimate of 15,398,000 bushels a month earlier and a production last season of 8,171,000 bushels. This estimate did not include production in Texas, Arizona, Oregon, Washington and Idaho where the area under flaxseed cultivation was estimated a month ago at around 43,000 acres.

Receipts in the Northwest showed a further increase. The arrivals were well absorbed by crushers and cash interests. Excessive rains were reported in some sections where harvesting was under way. Grasshopper damage was reported early in the week, but the moisture apparently checked the activity of these pests.

Receipts of flaxseed at New York last week were 232,000 bushels.

MINNEAPOLIS, Aug. 11.—A decline in prices during the past few days brought quite a few oil buyers into the market for all sized except large round lots for long deferred shipment. Considerable business was written for delivery in tank and cooperage car lots and a few small round lots were booked. Shipment was wanted up to the end of the year and not beyond. Small lot business for immediate delivery was good. A few of the larger buyers are now interested because of low prices but are inclined to go a little slow on account of the heavy and early run of new flax to market.

Shipping instructions are good and the out movement is heavier than a year ago at this time. Old crop oil is disappearing steadily and now is just about gone. Crushing operations have not increased any as yet but probably will in the next week or so if flax continues to roll in freely.

Quotations on carload lots, tankcars, 8.1c. per pound, cooperage 8.7c. per pound, warehouse 9.1c. per pound.

Shipments of oil in pounds were as follows:—

	1939.	1938.
This week	1,140,000	1,045,416
Since Sept. 1	72,008,953	69,569,927

SAN FRANCISCO, Aug. 8.—Linseed oil prices on the Pacific Coast have become almost demoralized with the full effect of California's record flax crop now being seriously felt and with oil reported to be moving in the Los Angeles markets at an even 7c. In northern California the bottom price is two or three points higher, but some in the trade are expecting to see the 7c. figure broken before long in the South. Open San Francisco quotations are named at: Tankcars, 7.5c. per pound; drum lots ex-mill, 8.1c; drum lots ex-warehouse, 8.5c.

CHICAGO, Aug. 11.—Linseed oil buyers are adhering to a conservative policy, and prices being quoted them on fair quantieies are slightly lower—the lowest figures reached in some time. Ruling prices are: Tankcar, 8.1c. per pound; car lots, 8.7c.; less than car lots, 9.1c.

LONDON, Aug. 11.—Quotations on linseed oil were:—

	Per cwt. s.	d.
*Saturday	..	..
*Monday	..	..
Tuesday	24	7½
Wednesday	24	6
Thursday	24	7½
Friday	24	7½

* Holiday.

Cake and Meal.—A steady tone continued to prevail in the local market. There were reports of some increase in the domestic inquiry for meal. The export call for cake was light.

MINNEAPOLIS, Aug. 11.—During a fortnight of activity in linseed meal, crushers sold themselves into a temporary short position and they are inclined to go slow for the present. Lack of fresh offers for nearby shipment tightened the market up some but failed to dislodge any holdings of jobbers, brokers or speculators. How well the crushers will be able to care for their contracts depends, of course, on the inflow of flaxseed and their ability to get presses going.

Stocks of old crop meal are about exhausted and shipping instructions are slow getting filled.

Quotations on carload lots, f.o.b. Minneapolis, 100 pound sacks, $27.50 to $28 per ton.

Shipments of meal in pounds were as follows:—

	1939.	1938.
This week	2,000,000	1,093,075
Since Sept. 1	93,284,625	122,746,303

CHICAGO, Aug. 11.—More interest has been shown in the linseed meal market recently by potential buyers. Ruling prices are:—Round lots, $30 per ton, largely nominal; car lots, $30 to $31; less than car lots, $32 to $33.

Cottonseed Oil

The trend of refined oil futures in the local market was downward. Southern markets for cottonseed were quiet with the tone easy.

Cottonseed Oil.—The trend of refined cottonseed oil futures was mainly downward last week, although there was more or less irregularity at times. Liquidation was renewed for local and outside account, however, and new low levels were recorded for the season thus far. Trade interests were credited with purchases on the way down, and there was more or less buying at times for account of local traders and commission houses for a turn on the long side on the idea that a rally was due on general principles after the recent heavy liquidation. The buying, however, was not of an aggressive character.

A development of interest was the publication on Tuesday of the first government estimate of the cotton crop for the current season. The indicated yield as of August 1 was put at 11,412,000 bales against a production last season of 11,943,000 bales. These figures were not far from what many in the trade had expected. They pointed to supplies of oil, together with the heavy carryover from last season, far in excess of the requirements of consumers. Nothing definite was received from Washington regarding the plan of shipping large quantities of lard and cottonseed oil to Germany and other countries, although the opinion existed that sooner or later some action would be taken along these lines with the view of bringing about more remunerative prices for American producers.

Southern markets for cottonseed oil were easier, quotations in some sections being ⅛c. to ¼c. lower. There were reports of a somewhat better inquiry for cash refined cottonseed oil. Soybean, coconut and corn oils were easier and sales of tallow were reported at a further decline. Linseed oil was unsettled here and in outside markets with demoralization reported in California, where the production of flaxseed this year was heavy. Statistics covering margarin production operations showed that consumption of soybean oil in recent months has increased sharply at the expense of cottonseed oil. Receipts of hogs at some points in the West were smaller but the weights continued heavy. Arrivals of hogs in Chicago during the week ended August 5 weighed 290 pounds on the average against 282 pounds in the previous week.

The quantity of cotton ginned from this season's growth up to August 1 was 137,076 bales against 157,865 bales in the same time last season and 142,983 bales two years ago. The weekly government weather and crop report was regarded by some as mainly bullish so far as the southwestern portion of the belt was concerned, and rather more favorable as to conditions in other sections of the belt.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from August 7 to August 11, inclusive, comprised 1,439 contracts, a total of 86,340,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks High.	Low.	Close.
January	5.95	5.63	5.36 sale
March	6.08	5.71	5.71@5.73
September	5.71	5.36	5.36 sale
October	5.76	5.43	5.42@5.50
December	5.93	5.57	5.57@5.59

Crude, Southeast, .04½c. nom.

ISOLINE

A dehydrated castor oil product supplied in M, Z, Z-2 or Z-3 body.

Produces colorless, color retentive varnishes and white enamels which, with proper resins, dry in four hours, and also baking enamels with the same color retentive characteristics.

ISOLINE FATTY ACIDS

Produce alkyds for superlatively color retentive air dried or baking enamels and varnishes.

Isoline is manufactured under Patent No. 1,892,251 dated December 27, 1932 and thus you are protected against patent litigation.

FATTY ACIDS

All kinds for all purposes.

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Chemical Division HARRISON, N. J.

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MEMPHIS, TENNESSEE

PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS

Members—Memphis Merchants Exchange (Futures in Cottonseed Meal)
New York Produce Exchange (Futures in Cottonseed Oil)

District Representatives
JAMES LOVATELLI & CO., 2 Broadway, New York City

Codes: Yoppa, Robinsons, Bentleys, A.B.C. 5th Edition, Heinrichs

Chicago, Aug. 11.—Volume of business in cottonseed oil seems to be fairly good. Good, off-Summer, yellow fig oil is 6c. per pound. Refined, edible oil is 8¼c. to 8½c. per pound, barrels, car lots; and 8¾c. to 9c., barrels, less than car lots.

Hull, Aug. 11.—Quotations on cottonseed oil were:—

	Refined Per cwt. s. d.	Egyptian crude. Per cwt. s. d.
*Saturday	.. ..	.. ..
*Monday	.. ..	.. ..
Tuesday	19 0	16 6
Wednesday	19 0	16 6
Thursday	19 0	16 6
Friday	19 0	16 6

* Holidays.

Cake and Meal.—Southern markets for spot material remained quiet last week, buyers being inclined to hold off for further developments. The tone in some sections appeared to be easier although offerings were light.

Markets at Other Centers

Atlanta, Aug. 9.—Both prime crude cottonseed oil and meal continue to show weakness. Oil is held at 4½c. per pound in the Southeast. Only a limited amount of meal is reported available in the eastern cotton belt. It is quoted at $22.50 to $23 per ton.

Crop conditions are rated fair to good in the Southeast. Rain would help to develop a top crop.

Memphis, Aug. 11.—Scattered sales of crude cottonseed oil this week at 4⅝c. and later at 4½c., Valley basis. Some few tanks still available at 4½c. Meal steady. Supplies of old crop meal now very light. Quoted today at $21.50 per ton for 41 percent, Memphis basis. Slab cake $19 per ton at Valley points, prompt shipment. Hulls $3.50 per ton at mill points. Traders feel that the decline in the New York oil market has finally run its course and that all bearish developments have been discounted. Crop prospects generally favorable.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	August 3.	August 10.
September	$19.85@20.15	$19.25@19.50
October	19.75@20.00	19.25@19.50
December	19.75@19.85	19.30@19.40
January	19.75@19.95	19.25@19.50

Fatty Acids

Capric Acid.—Quotations were maintained at former levels and the tone appeared to be steady, although there was no broadening of trade, interest on the part of consumers generally being limited to unimportant quantities.

Caproic Acid.—Consumers were not disposed to anticipate to any material extent, but there was a fair inquiry for moderate lots, the movement of such quantities being satisfactory for this period of the year. The market was steady.

Cottonseed Oil.—Quiet conditions prevailed, recent developments in basic material making consumers disposed in some cases to hold off or limit their takings to small lots for current needs.

Red Oil.—No broadening of business was noted last week, local and other consumers being disposed to adhere to a conservative course in making purchases. The movement of moderate lots, however, continued to be reported as fair. The market was steady.

Stearic Acid.—Business lacked snap, consumers being disinclined in view of recent developments in basic material, to purchase to any important extent in advance of current needs, but a fair inquiry continued to be reported for moderate lots. Importations during June were 94,235 pounds.

Markets at Other Centers

Chicago, Aug. 11.—Buying of fatty acids has been of fair proportions recently.

FATTY ACIDS.—Corn oil, double distilled, 8c. to 8¼c. per pound, tankcar; 8½c. to 8¾c., barrels, car lots; 9c. to 9¼c., barrels, less than car lots; coconut oil, acidulated, 8c. to 8½c. per pound, tankcar, mostly nominal; 8½c. to 9c., barrels, car lots; 9c. to 9½c., barrels, less than car lots; cottonseed oil,. double distilled, 7c. to 7¼c. per pound, tankcar; 7½c. to 7¾c., barrels, car lots; 8c. to 8¼c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2¾c. to 3c.; boiled down soap stock, 65 percent basis, 3¾c. to 4c.; cottonseed foots, 50 percent basis, 1¼c. to 1⅜c.

STEARIC ACID.—Distilled, single press, 10c. to 11c. per pound; double press, 10½c. to 11½c.; triple press, 13¼c. to 14¼c.

Fish Oils

Cod.—Primary markets were reported as firm with offerings light. There were reports of a fair inquiry here. Importations of cod oil during June were 145,879 gallons.

Menhaden.—The local refined situation lacked new features of interest, the market being steady at the reduction in quotations announced in the previous week. Buying interest was apparently limited to small or moderate quantities to fill the current needs of consumers, the movement of such lots being reported as fair.

Sardine. — Business in refined oil lacked snap, but there was a fair inquiry in a jobbing way at times during the week from consumers and dealers who were in need of fresh supplies. The market appeared to have a steady tone.

Whale.—There were no new developments in the way of price changes in refined oil, the market being steady at the recent decline. There was a fair movement of moderate lots to local and other consumers.

Markets at Other Centers

SAN FRANCISCO, Aug. 8.—Selling pressure, the weakness of some competitive products and a desire generally to move fish oils resulted in an easing of the markets here and in the Northwest last week when the following took place:—Early in the period, California sellers accepted bids of 24c. on a moderate quantity of oil, then later took further contracts at 23½c. coincidental with business taking place in Oregon and Washington pilchard oil at even 23c. figure. The established price of fish oils on the Coast today is 23c., with both sides of the market marking time, sellers not being inclined to take on any more business at that level momentarily, although they could undoubtedly do so if they wished to act on the bids which are said to be present.

Meantime, reduction operations were getting nowhere in California, where the season opened the first of this month and there was very little prospect that the industry, because it is deadlocked in a labor disagreement, will get under way this month. The $11 per ton price on raw fish paid last season is impossible in view of the current prices for oil, plant owners state, pointing out that last year they were selling 32c. oil while paying the $11 figure. Just recently they have been offering the fishermen $10 per ton. In view of a further declining market for fish oil, it was seen last week that there might be some necessity of reconsidering the $10 tonnage rate. Representatives of the fishermen appear adamant and the situation is in a stymie.

The temporary appointees of the California Fish and Game Commission last week paved the way for large scale reduction operations, if and when the labor question is settled, by granting permits to some 68 plants engaged in the processing of sardines on California shares. By this action, some 400,000 tons were alloted for open reduction purposes, in addition to the overflow from normal cannery operations, this tonnage to be allowed for seasonal use. The permits allowed for a seasonal take of 5,000 tons each to 50 plants, 33 of them situated in northern California, 7,500 tons each for 14 plants, 12 of which are in the northern portion of the state, and 10,000 tons each for four plants of large capacity, all situated in the San Francisco Bay region.

Insofar as northern California is concerned, this tonnage can be all used up as soon as December 31, although the season doesn't end until the middle or February. During December the Commission may take steps to make further allowances if the fish are found to be running good, it was stated at the office of the Fish and Game body.

Baltimore, Aug. 9.—Sales of menhaden oil were again lacking during the last week, with the fish somewhat improved, however, and the fish yielding more oil than earlier in the season. The ideas of potential buyers, however, seemed to have recorded another drop, and sellers, for their part, deemed it useless to put out quotations. They let it be understood, however, that their ideas of prices did not accord with those of the buyers by a rather wide margin and that it would take better even than the 24c. per gallon previously offered, but now said to have been revised downward, to bring out tenders. The fishing has improved, according to advices from down the bay, but it will take much larger hauls to build up any reserve of consequence against the orders booked on a when-and-if-made basis.

Fats and Greases

Grease.—The market had an easy tone in company with other commodities, quotations being shaded ⅛c. per pound. There was a fair inquiry for small or moderate quantities to fill the current needs of consumers.

Lard.—Domestic trade in cash lard continued along conservative lines, the call for moderate quantities being fair. The export inquiry was reported as lighter. Changes in local cash quotations were generally moderate.

Tallow.—The market here remained in an easy position as the inquiry was light much of the time, while offerings were somewhat freer. Sales were reported at 4½c. per pound for extra, delivered, showing a further decline of ⅛c. per pound. The market in the West was reported as steady.

Trading in tallow futures on the New York Produce Exchange from August 7 to August 11, inclusive, comprised 1 contract, a total of 60,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks High.	Low.	Close.
January	4.60	4.60	4.42@4.54
October	...	...	4.35@4.50

Markets at Other Centers

Chicago, Aug. 11.—Quiet trading has been reported in the cash lard market here recently.

The range of lard quotations from the opening Saturday, August 5, to the close Friday, August 11, is shown in the following table:—

	Per 100 pounds Open.	High.	Low.	Close.	Previous Friday.
Cash	$5.65	$5.65	$5.22	$5.22	$5.67
October	5.62	5.62	5.22	5.22	5.65
December	5.77	5.77	5.35	5.35	5.77

TALLOWS (tierces).—Edible, 4⅝c. to 4⅞c. per pound; prime, 4½c. to 4¾c.; fancy, 4⅜c. to 4⅝c.; special, 4¼c. to 4½c.

GREASES (tierces).—Choice white, 4¼c. to 4½c. per pound; A white, 4¼c. to 4⅜c.; B white, 4c. to 4¼c.; yellow, 10-16, 3⅞c. to 4⅛c.; yellow, 16-20, 3¾c. to 4c.; brown, 3½c. to 3¾c.

STEARINS (barrels)—Prime oleo, 5⅜c. to 5⅝c. per pound; lard, packages, 6¼c. to 6½c.; white grease, 4⅝c. to 4⅞c.; yellow grease, 4⅛c. to 4⅜c.; oleo stocks, 6¾c. to 7c.; No. 2 stocks, 6¼c. to 6½c.

Liverpool, Aug. 11.—Quotations per cwt. on refined American lard were as follows:—

	Spot. s. d.	September. s. d.	October. s. d.
*Saturday	.. ..	.. ..	.. ..
*Monday	.. ..	.. ..	.. ..
Tuesday	32 6	32 6	33 0
Wednesday	32 6	32 6	33 0
Thursday	32 0	31 9	32 6
Friday	32 0	31 9	32 6

* Holidays.

Liverpool, Aug. 11.—Quotations per cwt. on tallow were as follows:—

	Choice. s. d.	Fine, good mixed. s. d.
*Saturday	.. ..	.. ..
*Monday	.. ..	.. ..
Tuesday	19 0	16 3
Wednesday	17 6	16 6
Thursday	17 6	16 6
Friday	17 6	16 6

* Holidays.

Animal Oils

Lard.—Local and other consumers were generally disposed to limit their purchases to small or moderate quantities, the call for such lots being fair. The market retained a steady tone.

Neatsfoot.—A somewhat better inquiry was noted though purchases were still generally limited to unimportant quantities, consumers being disinclined to buy in advance of current needs. Prices were steady.

Oleo.—No broadening of business was noted, but there were reports of a fairly active inquiry for small or moderate quantities. The market remained steady.

Markets at Other Centers

Chicago, Aug. 11.—Animal oils are holding unchanged in price to a shade easier. Tendency seems to be to restrict purchases to small quantities.

LARD—No. 1, 7¾c. to 8c. per pound.

OLEO.—No. 2, 6½c. to 7c. per pound.

TALLOW.—Acidless, 7c. to 7¼c. per pound, tanks; 7¾c. to 8c., barrels.

Flaxseed Crop August 1 Estimate Up

The Department of Agriculture estimate as of August 1 of the 1939 flaxseed crop was 15,750,000 bushels. This compares with an estimate a month earlier of 15,398,000 bushels and with a production last season of 8,171,000 bushels. A crop of this size would be the largest produced since 1930. The increase in production can be attributed largely to the sharp increase in acreage, although the prospective per acre yield is higher than for any year since 1927 with the exception of 1938. The August 1 estimate does not include production in Texas, Arizona, Oregon, Washington and Idaho, where information secured a month ago indicated there might be a total of around 43,000 acres for harvest in 1939.

Details of the August 1 estimate with respect to the several production states follow:—

	Bushels — Yield per acre: Average 1928-37.	1938.	Indicated 1939.	Production: Average 1928-37.	1938.	Indicated 1939.
Michigan	8.9	9.0	7.0	58,000	90,000	105,000
Wisconsin	10.8	11.0	10.5	64,000	44,000	136,000
Minnesota	7.9	10.5	8.5	5,245,000	4,756,000	9,622,000
Iowa	8.8	12.0	8.5	151,000	120,000	340,000
Missouri	4.3	5.0	5.0	13,000	20,000	30,000
North Dakota	4.5	5.0	4.6	4,008,000	1,400,000	1,647,000
South Dakota	3.9	8.5	6.0	1,231,000	382,000	654,000
Nebraska	5.4	8.5	5.0	44,000	8,000	5,000
Kansas	5.8	7.2	7.7	257,000	367,000	939,000
Montana	4.0	5.0	4.0	635,000	210,000	512,000
California	16.9	19.0	16.0	515,000	684,000	1,760,000
United States	5.9	8.6	7.7	11,943,000	8,171,000	15,750,000

Waxes

Bayberry.—Prices were advanced to 26c. to 27c. per pound and there seemed to be a ready market for anything available. New uses for the item have increased consuming requirements hugely and there seemed no reason to expect a reversal of market trend in the nearby future.

Bees.—Conditions changed very little. The market as a whole was active along lines normal for this season of the year. Production of bleached wax has made excellent progress this Summer and Winter consuming needs will likely be well protected by the close of the bleaching season. Imports of crude wax in the month of June were as follows:

	Pounds.
Portugal	10,988
Guatemala	1,500
Mexico	12,527
Cuba	32,344
Dominican Rep.	14,945
Haiti	4,405
Brazil	249,786
Egypt	9,324
Madagascar	6,600
Other French Africa	15,744
Africa	28,838
Total	387,001

Carnauba.—Prices for new crop wax have shown an upward tendency of late and the rising market at the source continued during the past week. Furthermore, reports stated that rain had set in earlier than usual this year and that was declared to be of bullish influence. Locally, prices kept a steady position under the influence of fairly good demand and a not excessive amount of competition. June imports ed **1,886,794 pounds.**

Japan.—The market held very firm on the basis of the recent advance in replacement costs. June imports totaled 364,000 pounds, clear evidence that substantial quantities of this low profit yielding wax is required in this country. Japan was not an anxious seller last week.

Hardesty Co. Names Reddish Vice-President

Warren T. Reddish, president of the Twitchell Process Company prior to its merger with Emery Industries, Inc., Cincinnati, and later vice-president of the consolidated companies until his resignation March 31, 1939, has joined the W. C. Hardesty Company, this city, as vice-president in charge of manufacture, developments and specialty sales. Mr. Reddish will make his headquarters in Dover, Ohio. The Hardesty organization, manufacturer of red oil, stearic acid, glycerin, fatty acids and kindred products, maintains plants in Dover, Ohio, Los Angeles, and Toronto, Canada. The company, which has been expanding rapidly, has plans for the manufacture of fine as well as heavy chemicals.

Bopf-Whitten Observes Twenty-Fifth Anniversary

In observance of the twenty-fifth anniversary of the founding of the corporation, employees of the Bopf-Whitten Corporation, manufacturer of wool fat products, Linden, N. J., were guests of Arthur P. Bopf, president and founder, at a dinner-dance August 5, at the Chanticler, Millburn, N. J.

The best that can be produced. It is 100% PURE BEESWAX and measures up to all the requirements of the U. S. P.

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BEESWAX

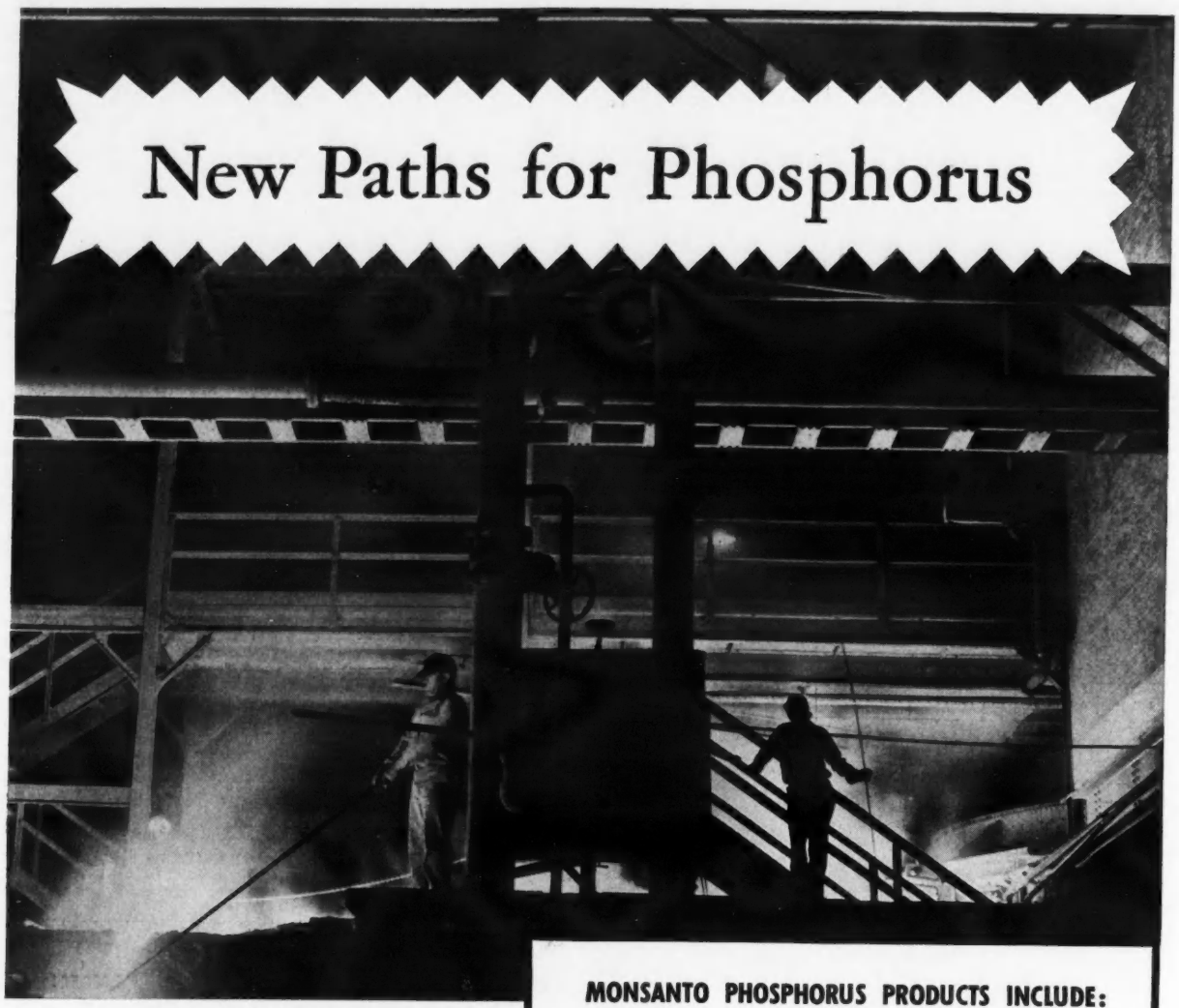
THEODOR LEONHARD WAX CO., INC. (Dept. A)

Haledon ESTABLISHED 1852 Paterson, N. J.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

V 136 I 7 AUG 1939 XUM

New Paths for Phosphorus



Silhouetted against the rivers of fire at the electric furnaces of the Monsanto phosphorus plant at Monsanto, Tennessee, two workmen are breaking up the slag and ferrophosphorus dams as the furnaces are tapped.

From the phosphate rock of Tennessee, Monsanto is producing high quality phosphorus to be converted into phosphorus pentoxide, phosphoric acid and its salts for industry.

This phosphorus plant at Monsanto, Tennessee—the largest electric furnace production of phosphorus in the United States—makes available a larger supply of better quality phosphorus and contributes to advanced research on many new compounds, high strength phosphoric acids and derivatives.

Monsanto products are carefully checked at every stage of their production to assure uniformly satisfactory results in use. Why not start specifying Monsanto products today? MONSANTO CHEMICAL COMPANY, Phosphate Division, St. Louis, U. S. A. District Offices: New York, Chicago, Boston, Detroit, Birmingham, Charlotte, Los Angeles, San Francisco, Montreal, London.

MONSANTO PHOSPHORUS PRODUCTS INCLUDE:

- Phosphorus
- Phosphoric Acid
- Tetra Phosphoric Acid
- Phosphorus Pentoxide
- Sodium Phosphates
- Ammonium Phosphates
- Calcium Phosphates
- Potassium Phosphates
- Phosphotex (Tetrasodium Pyrophosphate)
- Tetrapotassium Pyrophosphate
- Ferrophosphorus
- Phosphorus Trichloride
- Phosphorus Oxychloride
- Tricresyl Phosphate
- Triphenyl Phosphate
- Triethyl Phosphate
- Tributyl Phosphate

MONSANTO CHEMICALS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Drugs, Fine Chemicals

Cadmium Metal Advanced as Demand Broadens—Menthol Yields Ground on Competition—Glycerin Statistical Data Released —Aloin Strong—Santonin Rise Checked—Quicksilver Steady

Features in the market for drugs and fine chemicals last week were higher prices on cadmium and silver metals, and silver nitrate, and lower quotations on menthol and quicksilver. Barring these price developments, values in the main were steady. Demand showed seasonal influences. On the whole, the call was on the low side and consisted usually of small, but prompt requirements of a fair number of manufacturing consumers.

The further slide in quicksilver prices was accompanied by the view that conditions pertaining to demand were such as to make further declines probable. Only small lots were in request and there seemed to be more than enough of such holdings fully to supply buyers who came to the market last week. Domestic production is taking care of home needs. Mercurials failed to reflect the further drop in raw material costs.

Rising prices for cadmium metal served as an indication that the plating industry is being stimulated by the requirements of the makers of automotive units, the 1940 models of which are going into production.

After several weeks of price stability, the price of silver bullion was advanced last week, carrying silver nitrate in its van. Menthol weakened under competition and small demand.

Glycerin statistical data for the first six months of this year in comparison with the corresponding period in 1938 were released. Other statistical data concerning importations of numerous materials in the month of June were also given to the interested industries.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Cadmium metal, 5c. per lb.
Silver bullion, ⅜c. per oz.
nitrate, ¼c. per oz.

Reduced

Menthol, 5c. per lb.
Quicksilver, domestic, $2.50 per flask

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
182.5	182.7	182.7	183.0

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Citric.—Excessively hot, humid weather during the past week kept consumption of this item at full flush, resulting in a market of firm undertones and very steady prices.

Acid, Tartaric. — The raw material situation continued to keep this article in steady price position. Also, favorable conditions favored consumption in ample quantities by the beverage industry. Prices were fully firm. Importations of raw materials in June were as follows:

	Pounds—Argols and wine lees.	Pounds—Calcium tartrate.
France	218,113	109,832
Italy	754,014	11,038
Portugal	66,142	....
Argentina	46,610	....
Chile	98,429	....
Algeria	707,292	....
Totals	1,890,600	120,870

Alcohol.—Leading producers of completely denatured alcohol reported excellent sales on contract for deliveries during the coming consuming season. Specially denatured alcohol was reported moving very well in a volume contributing much to generally well maintained prices. Furthermore, outlook for excellent activity in consuming industries during the Fall and Winter months contributed to the general condition of steady undertones and prices.

Bismuth Metal and Salts.—Full stability of raw material prices was unchanged and the market as a whole showed sturdy undertones developed and maintained by a very good call for salts generally.

Borax.—Deliveries were good against existing contracts the forecasts of activity during the Fall and Winter months would indicate general firmness in the market as a whole and thorough maintenance of prevailing prices.

Cadmium. — Metal was advanced to 55c. per pound for ingots, and to 60c. for patented shapes. This seemed to be a forerunner of the expansion in consumption by the plating industry when production of automotive units gets underway in the immediate future. A pickup in demand has already developed.

Camphor. — June importations of crude totaled 166,138 pounds of natural crude, 67,370 pounds of natural refined, and 100 pounds of synthetic. The showing of the synthetic article was something of a record decline in arrivals. Domestic and imported synthetic material were well stabilized as to price and moved well to supply a very good consumption need.

Castor Oil.—Conditions changed very little. Movement into consumption compared well with that in recent periods and the business was done under conditions still more or less favorable for consumer operations. Of interest was the importation of 8 pounds of this article in June. Exports totaled 6,854 pounds.

CHICAGO, Aug. 10.—Tone of the castor oil market seemed tending slightly toward the easier side, but there was no outstanding change in the general market situation to back this view. Buying continued along routine lines, with most purchases limited in volume. Ruling prices are: No. 1, barrels, car lots, 9⅛c. per pound; barrels, less than car lots, 10¼c.; returnable drums, car lots, 8⅞c.; drums, less than car lots, 10c.; tanks, 8⅜c.; No. 3, barrels, car lots, 8⅝c.; barrels, less than car lots, 9¾c.; drums, car lots, 8⅜c.; drums, less than car lots, 9½c.; tanks, 7⅞c.

Cocoa Butter.—Activity was restricted by seasonal influences. Prices continued to be low in a distinctly competitive market.

Codeine. — Time is not far distant when this item will be the object of greater buying activity than for a number of months. It was said last week that supplies should be ample to meet Winter consumption.

Codliver Oil. — The future requirements of this country were believed to have been reasonably well covered by the purchase of ample quantities of comparatively cheap oil in the foreign markets. Activity last week was seasonally dull but a broadening of request seemed to be indicated for the not far distant future. Importations in June, by countries of origin, were:—

	Gallons.
Denmark	17,845
Iceland	279,197
Norway	90,032
United Kingdom	197,428
Canada	7,548
Japan	5,300
Total	597,350

Ephedrine.—It is hoped that the rather large surplus stocks held by some manufacturers last year will have been reduced sufficiently to create a broader movement into consumption during the coming active season. Prices last week were said to be steady.

Glycerin.—Lacking new developments changing the general position of all kinds of this material, release of statistics covering production, stocks, imports, etc., during the first six months of the year afforded material for interesting study. Statistics covering production, stocks, and imports of crude, refined and dynamite glycerin in the first six months of 1939 provided the following interesting data when comparison with 1938 figures was made:—

	Pounds—More.	Pounds—Less.
Production—		
Crude	3,410,103	....
Refined	....	1,347,463
Dynamite	4,466,558	....
Stocks—		
Crude	5,233,812	....
Refined	10,222,815	....
Dynamite	799,346	....
Imports—		
Crude	2,466,569	....
Refined	....	551,161

Current prices on drugs and the fine chemicals are given in the alphabetical list of prices beginning on page 7

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Produced at Our Gustine, Cal. Plant
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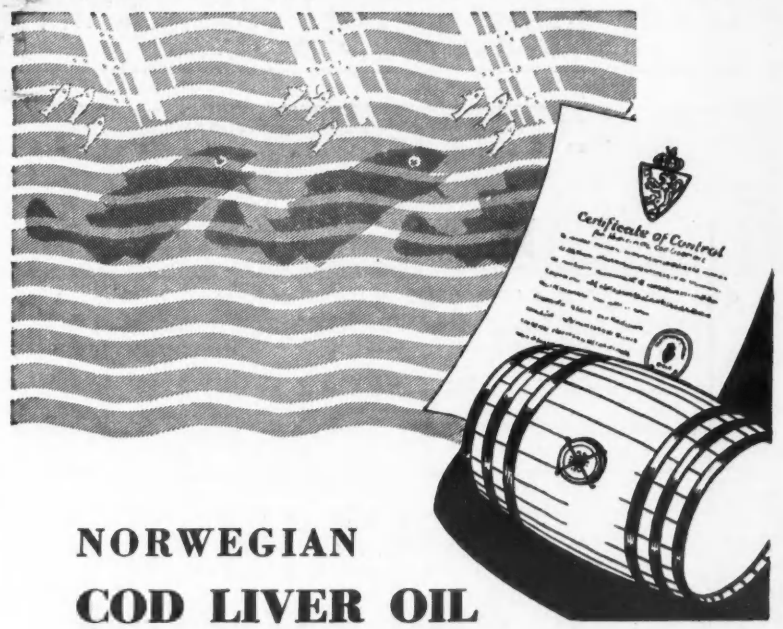

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EASTMAN TESTED CHEMICALS

The full statistics follow:—

January-June

	Pounds— 1939.	1938.
Crude, 80 percent basis—		
Production	83,968,660	80,358,557
Stocks*	17,661,263	12,427,451
Imports	6,415,354	3,948,785
Refined—		
Production	44,411,448	45,758,911
Stocks†	51,210,952	40,988,137
Imports	297,314	900,427
Dynamite—		
Production	25,611,709	21,145,151
Stocks†	21,430,009	20,640,663

* Preliminary.
† Bureau of the Census.

Importations of crude and refined material in the month of June were as follows by countries of origin:—

	Pounds— Crude.	Refined.
France	68,846	....
Ireland	22,867	....
Netherlands	....	4,480
United Kingdom	112,447	....
Cuba	305,068	....
Argentina	120,826	110,276
French Indo-China	21,925	....
Totals	651,979	114,756

CHICAGO, Aug. 10.—No change has developed in the market for various grades of glycerin. Chemically pure material continues to be subject to a fairly good demand for this time of year. There appears to be no top-heavy accumulations disturbing the market. Ruling prices are: Chemically pure, tanks, 12¼c. per pound; drums, car lots, 12½c.; drums, less than car lots, 13c.; high gravity, tanks, 11¾c.; drums, car lots, 12c.; drums, less than car lots, 12¼c.

Hexamethylenetetramine.—The market was steady as to price but routine as to the movement into consuming channels. The general position was one of stability. Imports in June totaled 112 pounds.

Ichythol.—Of some interest was the report that during the month of June, 1,000 pounds of this item were imported from Europe.

Iodine and Iodides.—Reserves of crude iodine on the spot were being kept sufficiently high to assure manufacturing consumers a continuous supply of prompt delivery material. June importations totaled 100,000 pounds from South America. Salts in general received normal demand. The call for tincture was very good.

Menthol.—Quotations were lower at $2.85 to $2.90 per pound in a market notable mainly for the moderate size of consuming request and the absence of signs suggesting early expansion to the point of volume becoming substantial. June imports, by countries of origin, were as follows:—

	Pounds.
France	1,660
Germany	900
Netherlands	300
United Kingdom	1,020
China	3,780
Japan	19,200
Total	26,860

Of the total, 3,880 pounds were synthetic menthol and the balance was a natural product derived from several sources.

Mercurials.—Prices continued to be maintained free of fluctuation, notwithstanding a further drop in raw material prices. Demand for mercurials compared well with the recent call, this giving substantial support to the market in general.

Quicksilver.—Prices slid to $83.50 to $85.50 per flask and the condition of the market was such last week as to lead some well informed operators to venture the opinion that values would more than likely go to $80 before the decline is checked. Eastern buyers bidding on the San Francisco market reduced their views by $3 per flask. The causes of the depressed market were several. First, demand was light enough to allow small lots to constitute the unit of transactions. Second, domestic production has grown until in all probability home mines can care for domestic needs. Third, there is an evident distrust of the foreign market and a determination to avoid encouraging sellers whose philosophy of commerce has been so elastic and aqueous as it has been this year.

SAN FRANCISCO, Aug. 8.—Business in quicksilver was reported somewhat on the upswing again last week, when sellers were understood to have moved the metal in very fair quantity for the account of East Coast consumers. Spot metal seems to have a prevailing level of $84.

Salicin.—Foreign goods in the amount of 2,400 pounds reached this country in the month of June. During the past week, the market displayed a quiet aspect. Buyers traded freely in quantities about covering their nearby requirements. Prices remained steady.

Santonin.—Demand has dropped considerably but curtailment of activity at this season is normal and the general position of strength was not breached. Importations in June were 495 pounds from Russia, 22 pounds from the United Kingdom, and nine pounds from Canada—a total of 526 pounds.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided:—

	Per ounce— Nitrate, Cents.	Bullion— New York, Cents.	London, Pence.
Saturday	26⅞	34¾	16⅛
Monday	26⅞	34¾	* ..
Tuesday	26⅞	34¾	16⅞
Wednesday	26⅞	34¾	16⅞
Thursday	27⅛	35⅛	17
Friday	27⅛	35¼	17⅛

* Holiday.

Theobromine. — The market lacked feature, consisting of a fairly good request at prices fully maintained in all respects. June importations totaled 5,000 pounds.

Proprietary Medicine Exports Decline Sharply During June

Proprietary medicines amounting to $761,281 in value were exported from the United States during June, 1939, according to the Bureau of Foreign and Domestic Commerce. Exports in the previous month, May, totaled $785,454. The value of the various classes of products exported in June was as follows:—

Classification.	Value.
Mouth washes and gargles	$38,749
Corn and foot remedies	8,401
Plasters	51,751
Liniments	11,279
Salves for burns, cuts and skin diseases	43,828
Salves for coughs, colds and catarrh	78,099
Cold, cough and bronchial preparations	46,545
Catarrh, asthma, and hay fever preparations	22,439
Malaria and chill preparations	2,782
Tonics and blood purifiers	291,332
Laxatives and purgatives	85,990
Milk of magnesia	22,131
Digestive preparations	13,190
Headache, neuralgia, and pain remedies	14,668
Other proprietary medicinals	120,097

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Drug Law Color Rules To Ease Small Sales

—Continued from page 3

plates the exemption of individual batches of color mixtures from certification. The conclusion has been reached that such a plan would not conform to the provisions of the act and that a bonding procedure would not be legally possible under existing law.

Many of the suggestions received appear to be feasible, both from the standpoint of the law and the maintenance of the integrity of the certification system.

Changes in the fees may be prescribed whereby small batches may be certified at less cost. However, this reduction must be accompanied by an increase in the cost for the larger batches, since the fund appropriated for the general enforcement of the act cannot be used for color certification, and the fees charged must be entirely sufficient to cover the cost of the service.

It appears practicable in the case of household colors to give the option of stating the lot number on the invoice covering the shipment instead of on the label. This would relieve manufacturers from the expense of overprinting different lot numbers on stock labels and at the same time would be a continuing identification of such colors up to the time of use.

Specific authorization can be given for the use of sodium benzoate in limited amounts in aqueous solutions or pastes.

Provision may be made for stating the pure-dye content as shown by the certificate or as a minimum content below which the color would in no case fall and the variations above which would not be unreasonably large.

Amendments to accomplish these purposes are shown in the enclosure. Before any announcement is made for formal public hearing under section 701 (e) of the act, comments and suggestions are invited.

Suggested amendments

Section 135.06: — Change parenthetical exception in subsection (a) (3) to read:—"(except resins, natural gum, pectin, and, in the case of mixtures which are aqueous solutions or pastes, sodium benzoate in a quantity of not more than 1/10 of 1 percent)."

Section 135.11:—Insert at the end of clause (a) (2), after striking out the semicolon:—"(except that, in the case of any mixture for household use which contains not more than 10 percent pure dye and which, if it is liquid, is in packages containing not more than 2 fluidounces, or if it is solid, semisolid, or viscous, is in packages containing not more than 2 avoirdupois ounces, such lot number may appear on each invoice accompanying shipments or deliveries of such mixture instead of on the label thereof)"; and change subsection (b) to read:—"(b) The statement of the percentage of pure dye in a coaltar color shall express, (1) the percentage of pure dye shown in the certificate covering such color; or, (2) the minimum percentage by weight of pure dye in such color. Where the statement expresses the minimum percentage, no variation below the stated minimum shall be permitted, and variations above shall not be unreasonably large.

Section 135.15:—Change subsection (a) to read:—(a) (1) The fee for the service provided by these regulations, in the case of each request for certification submitted in accordance with section 135.08 (b), shall be 5 cents per pound of the batch covered by such request; but no such fee shall be less than $6 or more than $25.

"(2) The fee for the service provided by these regulations, in the case of each request for certification submitted in accordance with section 135.08 (c) or (d), shall be 5 cents per pound of the batch covered by such request; but no such fee shall be less than $3 or more than $15."

Brazilian Timbo Exports Up

OPD Washington Bureau
August 10, 1939

First place in the world trade in rotenone-bearing roots is occupied by Brazil, according to a report to Department of Commerce from the commercial attache in Rio de Janeiro. Exports during 1938 exceeded 1,000 metric tons, whereof the bulk supplied in ground condition because of regulations prohibiting the exportation of timbo in the State of Para in the form of unground roots. Countries of destination for the past two years are shown in the table that follows:—

	1938. Kilos		1937. Kilos	
	Root.	Powdered.	Root.	Powdered.
Germany	....	5,000	10,000	11,250
United States.	27,696	931,412	77,691	564,077
Australia	10,000	500	26,000	....
France	....	106,710	4,000	121,600
Great Britain.	....	5,100	28,467	32,525
Netherlands..	100	....	1,000	10,150
Algiers	....	....	....	13,774
Canada	....	....	....	5,250
Japan	600	4,180	....	3,100
Sweden	....	300	....	500
Argentina	....	1,532	....	....
Totals	38,396	1,054,734	147,158	762,226

Bunting Chemical to Do Noxema Manufacturing

Baltimore, Aug. 9, 1939

Incorporation last week of the Bunting Chemical Company to manufacture toiletries transpires to have been more than the creation of a subsidiary of the Noxema Chemical Company. It involves, in fact, an important change in the operations of the parent Noxema company, giving form to a plan to separate the manufacturing and marketing operations of that concern.

The Bunting company will manufacture all the products of the Noxema company, and the latter will confine its activities to the selling of these articles, which include skin cream, suntan oil, cleansing day and night creams, brushless shaving cream, and similar preparations.

The president of the Bunting Chemical Company is George Lloyd Bunting, son of George A. Bunting, president of the Noxema Chemical Company. The incorporators of the new company, which is capitalized at 5,000 shares of $10 stock, are William H. Doyle, Marie Gorub, and Herbert H. Forrester, all of Baltimore. The three incorporators and George Lloyd Bunting and John C. Bauer compose the board of directors.

The Bunting company, which has its office and plant in Falls Cliff road at Thirty-second street, Baltimore, is authorized by its charter to operate as a manufacturing concern, to acquire and dispose of trademarks and other tangibles, and to engage broadly in the activities customarily covered by papers of incorporation.

Drug Chain Sales Up

Average daily sales of chain drug stores in June were estimated at 4 percent above sales in June, last year, and 1.5 percent above May, according to reports to the Department of Commerce. For the first time this year, the monthly volume is approximately the same as in the corresponding month of 1937, the department said. Inventories at the end of June were 1 percent below those on hand at the close of June, last year, and 0.5 percent below the end of May. Sales during the first six months of the year were 2 percent above such sales in the first half of 1938.

Cunningham Drug Merges With Vancouver Western Co.

Stockholders of the Vancouver Western Drug Company August 8 ratified a plan whereby that corporation would be taken over by the Cunningham Drug Stores, Vancouver, B. C., in a new organization to be known as the Cunningham-Vancouver Drug Company. The REPORTER erroneously stated in the July 31 issue that the Cunningham Drug Stores involved in this merger was located in Detroit. The Michigan corporation by the name of the Cunningham Drug Stores is in no way connected or affiliated with the Canadian organization.

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ACETYL SALICYLIC
ACID, U. S. P.

—So Pure It Is Practically Tasteless

STANDARD FORMS

CRYSTALS—No. 20	40c per lb.
CRYSTALS—No. 40	40c per lb.
POWDER	40c per lb.
STARCH GRANULATION—White (Only)	
10% Starch	40c per lb.
16% Starch	38c per lb.
20% Starch	36c per lb.

SPECIAL FORMS

CRYSTALS—Special Types	45c per lb.
POWDER—Special Milling	45c per lb.
STARCH GRANULATION—Colored and Special Forms	
10% Starch	45c per lb.
16% Starch	43c per lb.
20% Starch	41c per lb.

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We shall gladly furnish samples upon request.

THE QUALITY of Dow Acetyl Salicylic Acid exceeds by wide margins the rigid requirements of the U. S. Pharmacopoeia. Completely odorless, this product contains considerably less than the mere fraction of free salicylic acid content permissible under these requirements.

Starch granulations of Acetyl Salicylic Acid, so widely used today, are an original Dow development. The product is furnished in this form for the convenience of manufacturers making tablets by the dry-compression method.

Dow Acetyl Salicylic Acid, U.S.P., is supplied in a wide range of forms to meet the varying needs of tablet manufacturers. We offer these, without commitment, as shown above.

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Fair Trade Support Drawn from D.C. Story

To refute the charges of price-maintenance opponents that fair trade laws exploit the consumer, the Chester-Wilmington price study conducted by Edwin C. Arkwright, of the University of Pennsylvania, and published in *Druggists Circular* for June, 1939, was introduced in the recent hearing of the subcommittee of the committee on the District of Columbia of the United States Senate considering H. R. 3838, the District's fair trade bill, by Rowland Jones, jr., Washington representative of the National Association of Retail Druggists. Mr. Jones was the only representative of the drug industry who addressed the hearing and he apparently considered the *Druggists Circular* material as full and sufficient evidence in support of fair trade as he submitted no other factual information. The official minutes of the hearing contain the tables and conclusions of the survey exactly as they appeared in the *Circular*, and they will be studied carefully by members of the senate when the District bill is reported out at the next session of Congress.

The study compared the prices of twenty-six fair-trade items and twelve non-fair-trade items in Chester, Pa., where a fair trade law is in effect, and in Wilmington, Del., where no fair trade law has been enacted. It showed that (1) in a fair-trade State the minimum price of an item becomes the prevailing price in both downtown and neighborhood stores; (2) fair trade minimum prices are being well observed—better in downtown stores than neighborhood stores; (3) prices in downtown stores not under fair trade were but 9 percent lower than those in downtown stores that are under fair trade and prices in neighborhood stores not under fair trade were higher than in any other locality—indicating that the increases in prices in cut-rate stores occasioned by fair trade are more than offset by price decreases in neighborhood stores when druggists realize they can meet downtown competition without being forced to sell at a loss.

Because of the tremendous interest being shown in this fair trade study a restatement of its conclusions in full appears in the August issue of *Druggists Circular*.

Merck Research Institute To Have New Building

The Merck engineering division broke ground recently for a new building to provide additional space for the Merck Institute of Therapeutic Research in Rahway, N. J. The first spadeful of earth was taken by Miss Judith Frederica Merck, youngest daughter of George W. Merck, president of Merck & Co., Inc., manufacturing chemists, and also president of the board of directors of the Merck institute.

Among those officiating at the ceremonies were Dr. Hans Molitor, Director of the Institute; Peter Lipp, Superintendent of Grounds, who has seen 50 buildings erected during his long service with the Company; H. W. Johnstone, vice-president in charge of operations; C. B. Liewellyn of the engineering division; Mrs. George W. Merck and several guests in addition to members of the research staff.

The new institute building, to be located at the corner of Lincoln avenue and Lawrence street, will be constructed of brick and concrete in a Colonial design to harmonize with the Research Laboratory and Administration buildings. The three-story structure and basement will occupy a space of 47 feet wide by 100 feet long. The entire second floor will be air-conditioned to meet the special requirements of the institute.

The Merck Institute of Therapeutic Research is devoted to the pharmacologic investigation of drugs and chemicals, as well as to extensive studies in the field of nutrition. Its complete and modern facilities permit experimentation in all fields of biological research, thus complementing the investigations in medicinal chemistry and the vitamins carried out in the research laboratories of Merck & Co., Inc.

Vere Mining & Milling Company has been formed in Los Angeles.

Agfa Face Powder Base Described in Folder

Agfa face powder base Z is described in a folder just prepared by the Agfa aromatics division of the General Drug Company, this city. It is claimed that this base has a wonderful slip, has excellent adherence, high absorbent powers, good covering power, is pure white in color, odorless, and harmless to the skin. A copy of the folder, or a sample of Agfa face powder base Z may be obtained by addressing the General Drug Company, 170 Varick street, New York, mentioning the REPORTER.

Mack Heads Pepsi-Cola Co.

Walter S. Mack jr. has been elected president of the Pepsi-Cola Company, Long Island City. Don G. Mitchell has been elected vice-president in charge of sales; Milward W. Martin, secretary, and J. A. Murphy, treasurer. Mr. Mack is also chairman of Loft, Inc., which owns 78.5 percent of the Pepsi-Cola stock outstanding, and president of the Phoenix Securities Corporation, principal owner of Loft shares.

At the meeting of stockholders the following directors were elected:—Arthur T. Vanderbilt, former president of the American Bar Association; Harral S. Tenney, executive vice-president of the Marine Midland Trust Company; Mr. Mack; James W. Carkner, president of Loft; Edward A. LeRoy jr., treasurer of Phoenix Securities; Herman Shulman of Hayes, Podell, and Shulman; and Frank P. Burns, vice-president of Loft.

Alcohol-Gasoline Safety Claims Contradicted

—Continued from page 5

of tests which definitely demonstrate their fallacy, should certainly demonstrate their lack of truth. This move on the part of the Portland organization should be stopped immediately lest motorists who do use blended gasoline ignore the grave danger of exposing themselves to the carbon monoxide hazard.

Telegrams urging correction of the *Congressional Record* were sent also to several Illinois congressmen.

Alka-Seltzer Claims Shorn by F.T.C. Pact

—Continued from page 5

with, excess acidity of the blood, an acid condition of the blood, or a deficiency in the alkaline reserve of the blood, except when the ailments mentioned may be shown by competent scientific evidence to be directly associated with such conditions of the blood, and subject to this exception, to cease making representations implying that the taking of "Alka-Seltzer," by correcting the acid condition of the blood or restoring its alkaline reserve, will be a proper treatment for such ailments.

The respondent also stipulated that it would cease representing that other therapeutic effects of "Alka-Seltzer" exceed the recognized benefits to be derived from neutralization of hyperacidity of the gastric contents or the analgesic and other effects of sodium acetylsalicylate together with the action of buffer salts.

With reference to its stipulation with the Federal Trade Commission, Miles Laboratories has issued the following statement:—

Miles Laboratories appeared before Dr. Miller of the Federal Trade Commission, May 3, with a report on five years of clinical studies concerning the effects and use of "Alka-Seltzer."

It was mutually agreed that, according to present scientific evidence, colds, neuralgia, and distress after meals are not caused by or dependent on excess acidity of the blood, and hence the alkalizing effect of "Alka-Seltzer" does not treat these conditions by correcting excess acidity of the blood. This was also agreed to be true in headaches, upset stomach, and aches and pains in general except where an actual disturbance of the acid-base balance of the blood could be shown to be directly associated with such conditions.

It was further agreed that "Alka-Seltzer" did have beneficial effects in all these conditions by virtue of its superior analgesic action combined with the action of its alkalizing buffer salts and its alkalizing effect on hyperacidity of the stomach.

Miles Laboratories wishes to state that the Federal Trade Commission gave it a very considerate and thorough hearing.

Botanical Drugs, Spices, and Gums

Local Competition Shades Saffron Prices—Jalap Root Easier and Lower—Rhubarb Unsettled—Sandarac Gum Holds Strong —Prickly Ash Berries Lacking—Peppermint Firm

Low level demand governed in the botanical drug market last week. At the very best, the call from buyers resulted in a very spotty market that was built mainly of jobbing requirements. Notwithstanding the absence of a broader market, prices in general displayed stability of marked kind. Thus far this Summer, little tendency to force merchandise on the market by offering the bait of low prices has developed locally and, for the most part, absence of such tendency stemmed from the fact that, in general, replacement cost of new crop goods has discouraged such practice.

While collections in the domestic and foreign primary markets have been fair thus far, nothing suggests that they will exceed normal size in the main. The fact that prices quoted thus far on new crop merchandise have been such as to strengthen spot prices at a time normally featured by downward revisions has been counted as an element of basic strength notwithstanding the lack of much demand for either spot or later delivery merchandise. It was said last week that the present values were likely to hold and that reviving demand in the Fall would find a generally firm market in which to operate.

Exports of botanical crude drugs in June totaled 400,893 pounds. Germany was the best customer with a record of 122,656 pounds of merchandise taken in that month. Next came the United Kingdom to which 113,071 pounds were sent. Then followed Canada, 59,171 pounds; France, 28,239 pounds; and Japan, 15,615 pounds.

An exporter of gum tragacanth and crude drugs from Iraq has been expected to arrive in the United States. Full details regarding this visitor are available at the Bureau of Foreign and Domestic Commerce, Washington, to accredited American firms. Please refer to Foreign Visitor No. 899.

Entries of botanicals at the port of New York since the week of January 1, 1939, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	...	960
Belladonna	...	220
Caraway	1,864	20,039
Cardamom (cases)	32	1,054
Celery	...	1,168
Coriander	195	8,940
Cumin	218	2,425
Digitalis leaves (cases)	...	...
Dill	...	893
Fennel	315	1,240
Henbane leaves (bales)	...	126
Mustard	...	14,244
Poppy	...	20,495
Sage leaves (bales)	...	1,237
Sesame	1,716	14,088
Stramonium	299	339
Thyme	40	944

Price Changes

Prices were changed during the past week as follows:—

Advanced

Clove, Madagascar, ½c. per lb.
Caraway seed, ½c. per lb.
Pepper, red, Japanese chillies, ¼c. per lb.
white, Java Muntok, ⅛c. per lb.
Pimento, ¼c. per lb.
Poppy seed, Dutch, ⅛c. per lb.
Polish, ⅛c. per lb.

Reduced

Cassia, Batavia, Broken, ¼c. per lb.
China, selected rolls, broken, ½c. per, lb.
Saigon, ¼c. per lb.
Cinnamon, Ceylon, No. 2, ½c. per lb.
No. 3, ½c. per lb.
Ginger root, Jamaica, bright grinding, ¼c. per lb.
Jalap root, whole, ½c. per lb.
powdered, 1c. per lb.
Mace, Banda, 1c. per lb.
Batavia, 1½c. per lb.
Slauw, 3c. per lb.
Mustard seed, English yellow, ¼c. per lb.
Nutmegs, 110's, 1c. per lb.
West India, ½c. per lb.
Pepper, black, Alleppy, ¼c. per lb.
Saffron, Spanish, 25c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
125.8	125.8	125.3	124.6

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Peru.—Inquiry was improved over those in recent weeks. More consumers inquired for prices and some dealers indicated that sales were up moderately. Prices continued to be very steady.

Tolu.—Business continued in its recent quiet channel and showed no tendency to well over the banks. Prices remained low and very steady in the absence of much competition. Replacement costs were well maintained.

Barks

Buckthorn.—Replacement costs have changed very little and hence local dealers expected that sales to manufacturing consumers would continue to be made at levels closely approximating those in force at the present time. The market was steady.

Cascara Sagrada. — Sufficient steadiness in price prevailed in the primary market to keep local quotations generally on the steady side. Foreign buyers have been slow in placing contracts in the Pacific northwest, however, and some here have felt that values there might ease eventually.

Cinchona.—In most of its aspects, the market for this article was very steady. Absence of more favorable replacement costs in the primary markets have operated to the maintenance of spot quotations on a firm basis regardless of the not active request.

Cramp. — No important surplus in primary market reserve stocks seems forecast by the results of collections thus far. In the main, the reserve seemed likely to be close to normal and prices were expected to be maintained at levels close to those now prevailing.

Wahoo. — Local quotations seemed steady though there was not a great deal of interest shown in prompt delivery offerings during the past week. Accumulation of new stocks has been fair in the domestic primary market, but prices paid suggest that current spot values are still fairly attractive.

Beans

Calabar.—A routine but thoroughly static market prevailed on the basis of prices said to be generally steady and in line with replacement cost.

Vanilla.—The market was no less strong than it had been notwithstanding the fact that demand was not especially active during the past week. With foreign market prices holding up well, and with prospects for larger stocks this consuming year declared to be unencouraging, those with stocks in hand, continued to show strong price views and to enforce their views with much apparent difficulty. Local quotations were fully firm in all respects.

Berries

Cubeb.—Firm replacement cost was the rule and hence spot quotations were maintained free from competitive influences notwithstanding the casual consumer interest shown on spot during the past week.

Prickly Ash. — Leading merchants on this market declared last week that they had been unable to obtain normal offerings from the primary market. There seemed to be no stocks available on spot at the moment.

Flowers

Arnica.—Because of the cost to replace in Europe, spot prices have not undergone their normal, seasonal decline thus far this Summer. Immediate demand was moderate but known needs seemed to indicate that Fall trade would be fairly brisk.

Chamomile.—There seemed to be litlte reason to expect that replacement prices on Hungarian flowers would be sufficiently lower to effect a substantial downward revision in spot prices. In general, all market prices on that item were on the firm side. A somewhat similar situation governed the unchanged price of Roman flowers, too.

Lavender.—While not excessive in size, spot stocks cared readily for demand and seemed likely to provide for requirements between now and the collection of a new crop in France. Prices were fully steady in all respects.

Saffron.—Competition continued to keep spot quotations on Spanish flowers more attractive than the prevailing cost of replacement goods might justify. Prices declined to $27.75 to $28 per pound. The competition was encouraged by the presence of one fairly substantial lot on a market of cribbed, cabined and confined consuming demand.

Gums

Aloe.—According to reports from Curacao, exports of gum from the Netherlands Indies advanced sharply in value last year. The total valuation was $124,350, against $53,000 in 1938. Shipments to the United States, however, declined to $53,000 in 1939, compared with $59,280 in 1938.

Asafetida.—The general market position was steady. Weather conditions have kept production of powder down to orders as received, this because hot, moist air had made it impossible to carry a stock of milled goods against which to draw.

Benzoin.—Fair but not expanded demand for Sumatra gum was reported and prices appeared to be on the steady side since competition was clearly nonaggressive throughout the period. Stocks were in very fair reserve.

Camphor.—Domestic and foreign synthetic camphor moved very well and volume was in line with normal seasonal experience. Prices for the most part were very steady. According to reports made by the Department of Commerce, imports in the January-June period were as follows:—

	Pounds	
	1939	1938
Natural, crude	377,780	446,828
refined	438,285	401,641
Synthetic	527,922	348,255

Tragacanth.—Controlled prices at the source continued to make for well stabilized spot quotations on all grades. Demand was not better than fair because of slowness in consumption by some industries. According to the Department of Commerce, the 1938 crop is stated to have been of excellent quality, larger than average, and in the neighborhood of 200 metric tons. Including the carryover, the amount available for export at the end of 1938 was estimated to have been 300 metric tons, and due to these large stocks prices were from 10 to 15 percent lower. In the first eleven months of 1938 a total of 183,184 kilograms were exported from Turkey (7,329 kilograms going to the United States) against 188,331 kilograms during the preceding year. Formerly, the grading was carried out mainly in provincial market centers, but at present this work is being carried out by the larger exporters in Istanbul who are stated to be in a better position to know the requirements of the various export markets.

Herbs and Leaves

Buchu.—The market has solidified on the basis of 32c. to 34c. per pound with demand about level with that normally experienced in the mid-summer season. Market opinion favored the view that substantial expansion of sales would be accompanied by a rise in prices.

Digitalis.—Prices for domestic leaves were expected to be fairly well maintained this year and no surplus of home production was in prospect. Prospects for an increase in importations of foreign goods were not encouraging.

Henbane.—Although quotations were unchanged, the market seemed moderately easier in undertone and conditions were more favorable for buyers in that sellers showed some disposition to shade quoted levels under competition.

Peppermint.—Goods actually on spot were quoted 23c. to 25c. per pound, according to seller and quantity of domestic leaves. One spot factor recently named 15c. per pound without stating that it was a country quotation; it was not for spot goods. Information in hand last week was to the effect that at the moment nothing could be bought in the country at that figure.

Pichi.—The shortage has been broken and spot goods in fair quantity were available at 25c. to 26c. per pound. It was intimated that attractive orders might be placed for less than the inside price under competitive circumstances.

Miscellaneous

Colocynth Pulp.—This market was very quiet but the recently steadier price position of the article was continued undisturbed on spot.

Ergot.—Buyers were awaiting further developments in the primary market. At the end of July, London reported that new crop figures on Portuguese material were expected within the next three weeks. Local importers reported a lack of new offerings from foreign parts and hence continued to quote a market based on last prices received. Present indications do not suggest that

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Professionally Milled
ANALYZED - STANDARDIZED
CRUDE DRUGS
Acacia Gum, Aloes, Aniseed, Buchu Leaves, Chamomile, Elm Bark, Ergot, Fennel Seed, Irish Moss, Lavender, Myrrh Gum, Papain, Quince Seed, Saw Palmetto, Senna Leaves, Tragacanth
The Earth Contributes AND J.L. HOPKINS & CO. DISTRIBUTE ALL KINDS OF ROOTS, BARKS, HERBS, GUMS, LEAVES & SEEDS, WHICH ARE USED FOR MEDICINAL PURPOSES IN WHOLE, GROUND OR POWDERED FORM
J. L. HOPKINS & CO.
220 BROADWAY • NEW YORK CITY

ARABIC TRAGACANTH KARAYA
LOCUST BEAN GUM
FRANK-VLIET CO., Inc.
Specialists in GUMS
160 Water Street New York

foreign prices on new crop will show weakness.

Papain.—Powder sold as low as $1.10 per pound under competition last week. Reports in the open market suggested that less had been quoted, but no open quotations under $1.10 was obtained locally during the period under review.

Roots

Golden Seal.—The market continued very firm. What its position will be once new crop goods are generally offered by first hands was uncertain, but since the carryover of N. F., goods will be very small in the hands of most growers, important weakening of the price structure was thought unlikely.

Jalap.—Quotations have eased on the spot and whole root was offered at 14½c. to 17c. per pound, according to test. Powder was down to 19c to 23c. per pound. It seemed to be a buyers' market temporarily.

Rhubarb.—The market position was difficult to establish. However, it seemed reasonably certain that business had been lost at prices named by some suppliers. Others quoting lower reported only a moderate interest last week. The primary market appeared to have little weakness.

Senega.—Quotations were 55c. to 56c. per pound and the undertone seemed easier in keeping with the normal development of the market at new crop time.

Seeds

Caraway.—The market rose 9c. to 9½c. per pound under the stimulating influence of a broader, if almost entirely jobbing, demand from the consuming trade.

Mustard.—Reports from Roumania were to the effect that cleaning machinery has been set up and that exports on a guaranteed to pass basis will shortly be made to this country. English yellow seed was lower at 9⅜c. to 9¾c. per pound. Other kinds of mustard seed lacked quotable change.

Poppy.—Fractional advances took place and Dutch seed closed the week at 7⅛c. to 7½c. per pound while the Polish item stood at 6⅝c. to 7c. in a very narrow spot market. Local quotations had been driven too close to replacement cost.

Quince.—The market ranged 55c. to $1.10 per pound according to variety of seed offered. A fair but not expanding sale into consuming channels was reported present.

Strophanthus.—As high as $1.50 per pound was quoted and as low as $1.25 was mentioned as the market. Should there be any real demand, the condition of stocks on spot and abroad was such as to make a general market likely around $1.50.

Spices

Cassia.—Broken Batavia cassia was shaded to 9¾c. to 10c. per pound; China, selected broken, 7¾c. to 8c.; Saigon, 14¾c. to 15¼c.

Cinnamon.—Quotations were lower at 14c. to 14½c. per pound for No. 2, and 13½c. to 14c. for No. 3.

Clove.—Madagascar spice was higher at 14¼c. to 14⅝c. per pound. Zanzibar held unchanged.

Ginger.—Bright grinding Jamaica root was off fractionally to 7¼c. to 7½c. per pound. This was the sole change in the ginger group.

Mace.—Banda was shaded to 51c. to 52c. per pound; Batavia merchandise was lower at 31c. to 32c.; and Siauw was cheaper at 40c. to 42c. per pound. Declines were the result of competition.

Nutmegs.—The 110's were sharply lower at 16¼c. to 16½c. per pound, and the West Indian merchandise was slightly cheaper at 9¼c. to 9½c.

Pepper.—Black Alleppy was down to 7¼c. to 7½c. per pound. White Java Muntok was higher at 7⅜c. to 7¾c. Red Japanese Hontaka chillies were up to 17c. to 17½c. Other varieties of pepper lacked quotable change.

Trading in black pepper futures on the New York Produce Exchange from August 7 to August 11, inclusive, comprised 170 contracts, a total of 5,712,000 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
January	3.27	3.12	3.16@3.20
March	3.30	3.22	3.22@3.30
April	3.37	3.37	3.27 Nom.
May	3.47	3.29	3.33@3.38
July	3.42	3.42	3.39@3.42
September	3.25	2.98	2.98@3.03
October	3.17	3.17	3.02@3.05
December	3.29	3.10	3.12@3.16

Pimento.—The market continued to rise with better demand and closed the past week at 15c. to 15½c. per pound.

Current Market Quotations

—Continued from page 19

Whiting—Zirconium

Whiting, chalk, commil., wet-grnd., blp., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works..ton.15.00 -19.00
bbls., c.l., works..ton.17.00 -18.00
gilder's bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works..ton.16.00 - —
bbls., c.l., works..ton.18.00 -19.50
l.c.l., works..ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l. works..ton.15.60 -16.50
extra bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works..ton.16.00 - —
bbls., c.l., works..ton.18.00 -22.50
l.c.l., works..ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60- 17.50
l.c.l., works..ton.15.60 -16.50
Paris, white, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works..ton.16.00 - —
bbls., c.l., works..ton.18.60 -24.00
l.c.l., works..ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works..ton.15.00 -21.50
English cliffstone (see Whiting, chalk, Paris white).
Limestone, air floated, 99.75%, 255 mesh, paper bgs., c.l..ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis.....ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c., works. ton.12.50 - —
gilders, extra, bgs., l.c.l., 8-20 tons, works..ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works.....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .06
rossed, bls.....lb. .07½- .09
thin, natural, bls.....lb. .06 - .07
rossed, green, bls.....lb. .09 - .10
Wild Indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works, ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton.22.00 - —
80 mesh, bgs., ex dock....ton.24.50 - —
100 mesh, bgs., ex dock...ton.27.50 - —
120 mesh, bgs., ex dock...ton.30.00 - —
Wormseed, American, bgs....lb. .07 - .08
Levant, bgs.....lb. 3.70 - 3.75
Wormwood, bls.....lb. .09 - .10

X

Xylol (xylene), indus., dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
nitration, dms., works.....gal. .42 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .33 - —
5°, dms., works.....gal. .37 - —
tanks, E. of Omaha, frt., alld., gal. .33 - —
10°, dms., works.....gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.56
Yellow, cadmium, CP, import, bxs..lb. 1.35 - 1.70
lithopone, all shades, bbls 1 ton, works, frt. alld.lb. .45 - —
smaller lots, same basis, lb. .50 - —
kgs., ton lots, same basis, lb. .50 - —
smaller lots, same basis, lb. .55 - —
Sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts....lb. .14½- —
open order ....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.27 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02¼- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .0177½- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01½- —
Yellow ocher, French, all shades, cks., c.l., ex dock Balto, Boston, N. Orleans, for import..lb. .02475- —
New York (f.o.b.)..lb. .02½- —
Philadelphia for import..lb. .02¼- —
ex dock, San Pedro, San Francisco..lb. .0295- —
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .03075- —
New York .....lb. .03½- —
ex-dock Phila., for import..lb. .02¾- —
Portland, Seattle...lb. .06½- —
San Pedro, S. Francisco..lb. .06 - —
ex whse., Balto., Boston, N. Orleans..lb. .02722- —
Chicago, E. St. Louis, Indianapolis, Kan. City, Milwaukee, St. Louis .....lb. .03¾- —
New York.....lb. .03½- —
Pittsburgh .....lb. .03¼- —
Portland, Seattle.....lb. .03¾- —
San Pedro, S. Francisco..lb. .03¼- —
f.o.b. N. Y., from dock, lb. .02½- —
from whse. .....lb. .02¾- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .04¾- —
Persian orange (see O).
Zinc, bbls., same basis chrome CP. contracts..lb. .18 - —
open order .....lb. .19 - —
Yellow dock root, bls.....lb. .09 - .10
Yellow root (xanthoriza) bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .07½- .08
Yohimbine hydrochloride, vls..oz. 2.50 - 2.55

Z

Zinc acetate, tech., bbls., works, lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bags .....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest. in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls...lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
USP, 200-lb. dms.....lb. .25 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l. works..lb. .0290- —
l.c.l., works.....lb. .04 - .04½
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .83 - —
Dust, bbls., c.l., dlvd.....lb. .0675- —
l.c.l., bbls., dlvd.....lb. .0725- —
Fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.35 - —
jars .....lb. 4.30 - —
Metal (see daily quotations in Market report)
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l. dlvd..lb. .06¼- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst., lb. .06½- .07¾
bbls., c.l., dlvd....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst.lb. .06¾- .08
5% bgs., c.l., dlvd., lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse.,Pac. cst.lb. .06¾- —
bbls., c.l., dlvd....lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse.,Pac. cst.lb. .06¾- —
35%, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst. lb. .06¼- —
bbls., c.l., dlvd..lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst. lb. .06½- —
80%, bgs., c.l., dlvd., except Pac. cst..lb. .0606- —
Pac. cst.....lb. .0612- —
l.c.l., dlvd., except Pac. cst..lb. .0631- —
ex whse., Pac. cst...lb. .0631- —
bbls., c.l., dlvd....lb. .0631- —
l.c.l., dlvd., except Pac. cst..lb. .0656- —
ex whse., Pac. cst.lb. .0655- —
French process, com'l, lead-free, bgs., c.l., dlvd.lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst..lb. .06½- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse.. Pac. cst.lb. .06¾- .08
Zinc oxide, French process, green seal, bgs., c.l., dlvd..lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst.lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst.lb. .08½- —
red seal, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07¾- —
ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., dlvd....lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
white seal, bgs., c.l., dlvd. lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
bbls., c.l.....lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
import, gold seal, cks., ex whse..lb. .13 - .14
green seal, bbls., ex whse.lb. .10 - —
white seal, cks., ex whse.. lb. .11 - .12¼
USP, bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .23 - .26
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .20 - —
l.c.l., 1 ton.....lb. .21 - —
1,000-2,000 lbs.....lb. .22 - —
less than 1,000 lbs...lb. .23 - —
U.S.P., bbls.....lb. .21 - .23
Sulphate, cryst., bgs., c.l..... 100 lbs. 2.75 - —
l.c.l. .....100 lbs. 3.50 - —
bbls., c.l.....100 lbs. 2.90 - —
l.c.l. .....100 lbs. 3.65 - —
flake, bgs., c.l.....100 lbs. 3.10 - —
l.c.l. .....100 lbs. 3.85 - —
bbls., c.l.....100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.00 - —
powd., bgs., c.l.....100 lbs. 4.35 - —
l.c.l. .....100 lbs. 5.10 - —
bbls., c.l.....100 lbs. 4.50 - —
l.c.l. .....100 lbs. 5.25 - —
Sulphide, pigment, barium, calcium, or magnesium base, bgs., c.l. (20 tons), dlvd..lb. .07½- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .07¾- —
bbls., c.l. 20) bbls., c.l., (20 tons), dlvd.....lb. .07¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08 - —
Sulphocarbolate, NF, bbls....lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd., except Pac. cst..lb. .05½- —
ex whse., Pac. cst..lb. .05½- —
Zirconium nitrate, kgs., works.lb: 3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.75.00 -100.00
white, 98%, rgd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the Aug. 7 issue; the next printing will be in the Sept. 4 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 31.

Diebold Mansion Fire Loss Estimated at $500,000

Fire of unknown origin early July 30 destroyed the thirty-three-room mansion, in Locust Valley, L. I., of Albert H. Diebold, president of the Sterling Products, Inc., pharmaceutical manufacturer, this city. The loss was estimated at $500,000. The house, with all its furnishings, a number of old paintings and a considerable library, was a complete loss, and the lawn, recently renovated at a cost of $3,000, was badly damaged.

New Crop Oil of Dill

This is an outstanding Fritzsche specialty. Employed in seasoning and especially in the pickling of processed dills, it imparts the exact flavor character and aroma of true dill weed from which it is derived. Used in combination with the latter it effects a richer and better rounded flavor than dill weed used alone . . . This year's crop, judging from shipments thus far received, is of excellent grade, but not over plentiful. We believe it advisable, therefore, to negotiate your season's requirements *without delay*.

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FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

Essential Oils, Aromatic Chemicals

Bill to Raise Peppermint Duty to 100 Percent Introduced in House of Representatives — Camphor Products Higher—Lemon and Orange Do Well

Lacking special trade feature, the market for essential oils found the leading development in the introduction into Congress, on the closing day, of a bill calling for a 100 percent increase in the import duty on peppermint oil. The bill was numbered H.R. 7506. Camphor products also were notable because of rising prices and general market strength.

Demand for most materials was about fair. The call was spotty and irregular from day to day, yet volume held to the levels reached in recent weeks and the general undertone was steady mainly for the reason that prices were already so low.

The bill now on the agenda of the House of Representatives would make the import duty on peppermint oil 50 percent ad valorem. At present it is 25 percent and it has proven an easy hurdle for those importing Russian oil. The latter has reached these shores in substantial quantities this year. The home makers not only have to compete with it in the domestic market but also face the probable crumbling of their export market as Russia pushes the product on the world market. A representative from Michigan introduced the measure that seeks to protect the home market at least.

Lemon and orange oils continued in very good request, abetted by torrid weather that in most states raised consumption of beverages. Camphor oil and all its products at higher prices reflected success of the Japanese in their effort to monopolize the market for derived products by curtailing export of camphor oil. High prices for santonin has increased interest in wormseed oil and a lively export market has been forecast.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Camphor, water white, 1c. per l b.
sassafrassy, 2c. per lb.
Sassafras, artificial, 2c. per lb.
Safrol, 1c. per lb.

Reduced

None.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
70.4	70.3	70.2	69.8

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Ambrette.—This liquid, highly valuable as an ingredient in top flight quality perfumes, was offered at $45 per ounce. It is one of the most costly of perfume raw materials, a pound costing $625.

Angelica.—Root and seed oil had a conventional request throughout the past week. None but unescapable needs were covered by buyers, and hence volume was kept low, but probably about in line with normal size at this season of the year.

Anise.—The situation continued to be easy in a market entirely favorable for consumer operations. Although quotations were no lower, there seemed still to be a tendency toward shading, and the fact that stocks were much in excess of current demand colored the price-shading tendency considerably. June imports totaled 32,104 pounds.

Bergamot.—Steady demand for routine quantities was reported, and the market continued to display all of its recent stability. June imports totaled 9,898 pounds. Exports from Italy during the first quarters of 1939 and 1938 were as follows:—

	Kilos	
	1938.	1939.
France	39,448	11,000
Germany	22,425	3,593
Netherlands	12,811	3,600
Great Britain	36,430	20,687
United States	36,635	25,304
Italian Colonies	273	....
Other countries	10,893	5,735
Total	158,915	69,919

Bois de Rose.—Stable prices at home and abroad accompanied fair but not expanded demand for spot goods. The Department of Commerce reports June imports of lignaloe oil as 11,159 pounds.

Camphor.—Water white material was almost unobtainable and prices were virtually nominal. Sassafrassy oil was in little better position. Prices were higher, as follows:—Water white, drums, 28c. to 29c. per pound; cans, 30c. to 31c.; sassafrassy, drums, 34c. to 35c.; cans, 36c. to 37c. June imports totaled 14,550 pounds.

Cassia.—Values seemed fairly steady throughout the past week. However, in view of the fairly easy position recently prevailing in the primary market, conditions seemed to favor buyers more than sellers. Demand was moderate. June imports totaled 8,620 pounds.

Citronella.—Values quoted on Ceylon oil for shipment were comparatively low and not productive of much buying of forward deliveries for this market. Spot quotations lacked change, but the undertone was easy. Java oil continued to be the more attractive article. June imports of all kinds of this oil totaled 191,964 pounds.

Clove.—June imports totaled 4,427 pounds, constituting a supply of foreign made oil with which domestic producers had to compete. Home makers reported steady prices, but found demand rather irregular much of the time.

Eucalypus. — June importations totaled 22,006 pounds. During the past week, demand was rather quiet on the whole, but the undertone of the market remained firm in keeping with the prevailing cost of present stocks and the absence of any easier position on goods available for replacement buying at the source.

Geranium.—The total of imports of Bourbon and Algerian oils was 10,483 pounds in June. The market locally continued to be competitive and some very low prices were quoted in a few quarters. Others had different and considerably higher views.

Juniper.—The fact that June imports amounted only to 661 pounds was evidence of the fact that local reserves were excellent in size. Reports continued to emphasize that position of the market. Prices were low but very steady.

Lavender.—Moderate demand in a market of exceptionally steady prices was the rule, the only unsettlement seeming to be in oil of low ester content. June imports totaled 9,461 pounds.

Lemongrass.—Business continued to be very good from the standpoint of agents of primary market shippers. Local dealers, however, said the call was entirely routine and always moderate. June imports totaled 30,499 pounds.

Lemon.—Reports at home and from foreign points indicated that the high cost of Italian oil in the primary market has curtailed interest in shipment parcels. In the local market, California oil was continued in highly stable position and being available at prices far lower than those quoted on Italian material, the home product got the major call, which was good. June imports totaled 26,971 pounds of regular oil, and 105 pounds of terpeneless. Exports from Italy in the first quarters of 1939 and 1938 were as follows:—

	Kilos	
	1938.	1939.
France	41,253	21,838
Germany	48,390	19,867
Netherlands	16,604	15,048
Great Britain	113,989	106,545
United States	34,788	28,962
Australia	9,435	6,917
Italian Colonies	768	81
Other countries	23,513	6,546
Total	288,740	205,804

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Lime.—Seasonal conditions kept demand in very good volume and in view of the strength obvious in primary market prices, local values were readily maintained in the absence of price competition. June imports totaled 10,930 pounds.

Orange.—California oil was available at very low prices and in excellent quantities. African oil continued to be the element depressing values on imported oils, the market for which was very competitive. Demand was along seasonal and quite active lines. Hot weather kept demand for orange beverages at white heat. June imports totaled 23,048 pounds of regular, and 16 pounds of terpeneless oil.

Palmarosa.—The market was quiet on spot and values were not so steadily maintained. Replacement cost was maintained. June imports totaled 550 pounds.

Patchouli.—The strength of the import market was undiminished and hence spot values held very firm regardless of the conservative character of consuming request.

Petitgrain.—Local activity was mainly on a hand-to-mouth basis that ac-

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CHICAGO BRANCH: 180 N. Wacker Drive
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ESSENTIAL OILS
IMPORT 162-164 FRONT STREET Established 1896 EXPORT NEW YORK CITY

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companied quiet but apparently fairly steady prices as the result of but moderate competition. June imports totaled 13,800 pounds.

Peppermint. — The first official movement to secure the American peppermint oil producers added tariff protection to combat the sale of low-cost Russian oil on this market was taken on the closing day of Congress. A bill, H.R. 7506, was introduced into the house by a representative of Michigan, one of the largest producing states for oil. The bill proposes to increase the duty to 50 percent ad valorem. The present rate is 25 percent. June imports totaled 18,340 pounds. Presumably, this was oil of Russian origin. June exports, by countries, are again supplied readers interested in the possible effect of Russian oil on world markets formerly supplied almost entirely by the United States:—

	Pounds.
France	1,401
Germany	1,836
Greece	71
Netherlands	2,150
Switzerland	75
United Kingdom	13,160
Canada	1,855
Nicaragua	1
Mexico	1,248
Trinidad and Tobago	40
Other British West Indies	2
Cuba	5
Dominican Republic	10
Haiti	25
Argentina	1,378
Brazil	100
Chile	22
China	27
Hongkong	240
Philippine Islands	10
Australia	5,825
Total	29,381

Exports from the United States during the first five months of 1939 were lower than the corresponding periods in recent years. During the past fifteen years exports from this country have averaged 235,000 pounds, valued at $715,000 per year. Exports by months in 1939 were as follows:—

	Pounds.
January	16,492
February	32,087
March	27,192
April	31,390
May	31,084
Total	138,245

Pineneedle.—The June imports of this material totaled 4,240 pounds. Business in the past month was fairly good, there being a seasonal requirement that reacted favorably on prices by holding them to very steady position.

Rosemary.—The market was not over supplied with goods but a quiet demand found little difficulty in covering its needs on the basis of prices said to be fully steady in all respects. June imports totaled 2,108 pounds.

Sassafras.—Artificial oil was stronger and higher because of replacement cost. Quotations for oil in drums were 39c. to 40c. per pound; cans, 41c. to 42c. June imports totaled 46,667 pounds.

Aromatic Chemicals

Amylphenyl Acetate.—More inquiry and some gain in sales was reported and the market continued to be very steady in price.

Amyl Salicylate.—Not more than a jobbing request was current last week but notwithstanding the lack of greater activity, spot quotations continued to hold and the general market position was very steady.

Benzaldehyde.—Business was routine. Buyers were not numerous those present appeared to have only small needs to cover. Prices continued to be steady.

Ethyl Vanillin.—The market showed substantial stability in all its aspects. Demand was very fair, prices were well maintained, and competition was in the background instead of the foreground of the market.

Eucalyptol. — The position was very firm in view of the cost of producing this oil from raw material at current prices. Demand was not much last week but an improvement was expected to come with Fall.

Geraniol.—Plentiful stocks made this item a buyers' market. Quotations were more or less nominal, values being established at the time of sale under competitive circumstances.

Geranyl Acetate.—Combined demand made not more than a moderate total of transactions. Most of the orders covered prompt requirements only. However, the market continued to be fairly steady in all respects.

Linalool. — Hand-to-mouth buying built a fair volume of business by the close of last week, done on the basis of steady prices in a market not overly competitive at any time.

Linalyl Acetate. — Business gained moderately on the small lot side. Transactions in terms of substantial quantities were not numerous. Prices continued on the steady side.

Safrol. — The market was higher at 49c. to 50c. per pound in drums and 52c. to 55c. in cans. This reflected the rising cost of replacement goods based on the current situation as concerned crude material.

Toilet Preparations Exports During June Tabulated

The value of United States exports of toilet preparations during June, 1939, according to the Bureau of Foreign and Domestic Commerce, was as follows:—

Classification.	Value.
Dental creams	$197,314
Other dentifrices	14,438
Talcum powder in packages	60,517
Face and compact powder	28,317
Cold creams	17,225
Vanishing creams	13,085
Other creams, lotions and balms	29,275
Rouges	13,871
Lipsticks	55,281
Other cosmetics	13,345
Manicuring preparations	34,825
Depilatories and deodorants	9,719
Hair preparations	63,033
Perfumery and toilet waters	10,623
Other toilet preparations	33,207

Thymol Data Reviewed

A review of the more important recent data pertinent to the practical application of thymol and its isomers is presented in the July-August issue of the *Givaudanian*, house-organ of Givaudan-Delawanna, Inc., this city, manufacturer of aromatic chemicals. Packed with factual information, the article describes the production of the thymols, relates their bactericidal and bacteriostatic action, explains their preservative and antioxidant properties, and reviews their anthelmintic and miscellaneous uses.

The issue also contains a story on the chemistry exhibits at the New York World's Fair. Copies of the leaflet may be secured by addressing Givaudan-Delawanna, Inc., 80 Fifth avenue, New York, mentioning the REPORTER.

Toiletries imported in British India in 1937-38 amounted to 6,785,226 rupees, of which the United States shipments were valued at 2,625,122 rupees.

Crown Cork & Seal Company, Highlandtown, Md., had a $50,000 fire in the waste cork grinding building, caused by an explosion of dust.

Obituaries

Giles M. Penick

Giles McGill Penick, head of the sundries department and a director in the Strothers Drug Company, Lynchburg, Va., died August 6. He was forty-five years of age.

Mr. Penick, the only son of the late Douglass McGill Penick, and a nephew of S. B. Penick, president of S. B. Penick & Co., this city, was born August 25, 1894 in Lynchburg. Following graduation from Washington and Lee University, he undertook graduate work in engineerng at the Massachuetts Institute of Technology.

After being mustered out of the army as a second lieutenant in Company F, 214 Engineers at the end of the World War, he returned to civil employment in the Strothers Drug Company of which his father was president at one time.

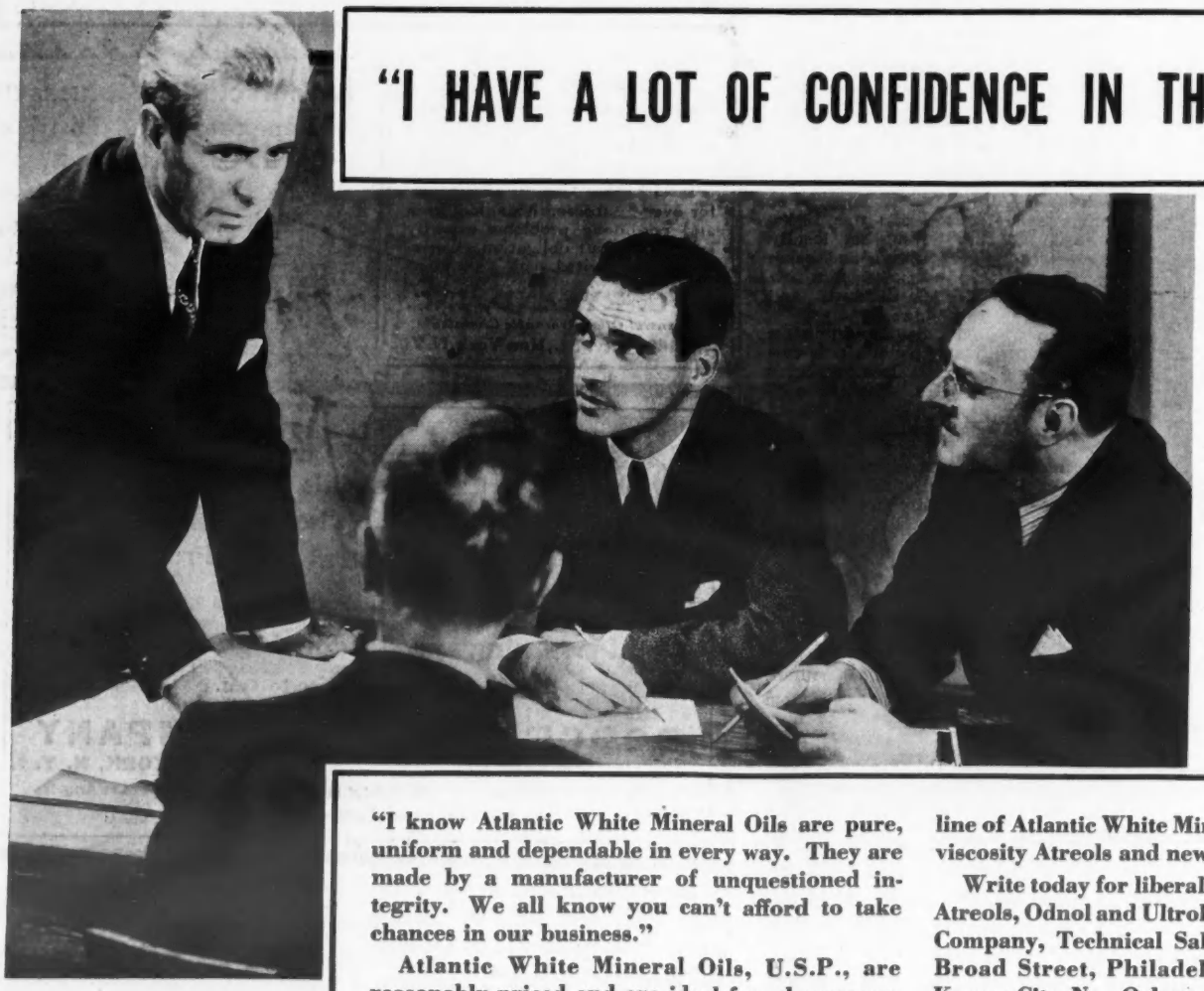
Mr. Penick was a member of Phi Gamma Delta fraternity, and of ribbon societies at Washington and Lee University. Surviving are his wife, Mrs. Elizabeth Pugh Penick, his mother, Mrs. Nannie McKinney Penick, and a sister, Mrs. Bolling Lynn Robertson, of Short Hills, N. J.

Erdley C. Cattley, former superintendent of the Brooklyn plant of the Federal Water Service Company, New York, died in Toronto August 4 after two weeks' illness. He was seventy-four years of age.

William H. Kettig, for a number of years vice-president of the Redd Chemical & Nitrate Company, Birmingham, Ala., died August 3 in Jacksonville, Fla., of a cerebral hemorrhage.

John Ruel Manning, chief of the technological section of the Bureau of Fisheries of the Department of Commerce, died August 4, aboard a train en route from Cleveland, Ohio, to Washington. He was forty-two years of age.

John E. Raeder, advertising manager for the Church & Dwight Company, this city, for the past twenty-five years, died from a heart ailment in a hospital in Brooklyn August 8. He was seventy-one years of age.



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Petroleum Solvents Lubricants, Fuels

Major Buyer of Midcontinent Crude Reduces Posted Price—New Price Hits Five-Year Low—Refined Markets Routine —Natural Gasoline Output Down in June

One of the principal buyers in the greater Midcontinent areas made a horizontal reduction in the price it will pay for crude oil, dropping the price below a dollar for the first time since 1934. Two smaller buyers immediately met the reduction, but whether other large purchasers in the field would follow suit was not definitely clear late last week.

The severe slash in price was a blow to other major companies in the Southwest, but it was not wholly unexpected. The decision to reduce the price followed an attempt by the same company to increase gasoline prices some weeks ago. When some of the rest of the industry failed to go along with the increases, the president of the company in question warned that the "price of products must go up or the price of raw materials must go down."

The market for refined products was virtually unchanged last week in all sections of the country. Rubber solvent was in slightly less demand, but paint ingredients became more active. Refined paraffin continued strong. Gasoline was in heavy demand while heating oils firmed and underwent an advance in price in New York and New England.

Production of natural gasoline decreased in June to a daily average of 5,733,000 gallons, compared with 5,799,000 in May and 5,601,000 in June, 1938, according to the Bureau of Mines. Production for the first six months this year was 1,043,700,000 gallons, or 0.3 percent less than during the 1938 period when output totaled 1,046,598,000 gallons. Stocks continued to increase, total on hand at the end of June being 283,458,000 gallons, compared with 291,942,000 the previous year. Shipments to jobbers and retailers decreased from 10,962,000 in May to 9,450,000 gallons in June. Exports increased from 14,658,000 gallons in May to 15,750,000 in June.

Solvents and Diluents

The market for materials in this division of the petroleum field was unchanged last week in regard to both demand and price. Rubber solvent was slightly less active while thinners and other paint ingredients picked up.

Lacquer Diluent.—Demand was a bit better during the period under review, with lacquer manufacturers more interested in offerings. The price was unchanged.

Petroleum Thinners.—Paint makers were calling for more material and shipments became heavier. The price schedule was firm.

Rubber Solvent.—Tire manufacturers apparently were well stocked up and a subsequent slackening in demand for this solvent resulted. Shipments were still fairly good, however. The price was firm.

V. M. & P. Naphtha.—Similar to thinners, consumers showed a bit more interest last week and paint makers called for more material. The price was steady at the quoted level.

Chicago, Aug. 10.—The late-summer season finds petroleum solvents and diluents continuing to attract a moderately good demand, although there is considerable irregularity in the flow of orders. Price-cutting has been a persisting factor, but seems to be causing no more difficulty than for some time. Paint industry buying is good on whole. Cleaners' material purchases are fair. Ruling prices in tankcar lots except as noted are (Tankcar prices f.o.b. Group 3 Oklahoma): Blending naphtha, 4¼c. to 4⅜c. per gallon; cleaners' naphtha, 6⅜s. to 6½c., tankcar; 17.5c., tank wagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.2c., tank wagon; lacquer diluent, 7⅜c. to 7½c.; rubber solvent, 6⅜c. to 6½c.; Stoddard solvent, 5⅞c. to 6c., tankcar; 15.9c., tank wagon; V. M. & P. naphtha, 6⅜c. to 6½c., tankcar; 16.5c., tank wagon.

Lighter Fractions

The higher price of natural gasoline in the Midcontinent area, noted two weeks ago, held firmly during the period under review. The strong position of the market for that material was reflected in the conditions surrounding the market for various petroleum hydrocarbons in the light gaseous group. No advances were made but all quotations were steady.

Butanes.—Consumers were ordering out material in fairly regular fashion last week. The orders were mainly for small-sized lots of material but the total volume was not unsatisfactory to suppliers. Prices were firm.

Hexane.—The market mirrored the strength of the natural gasoline situation although demand showed no increase from the previous week. The price continued at 12½c. per gallon for the normal grade and 14c. per gallon for the laboratory grade.

Heptane.—The market was routine with quotations unchanged at 11c. per gallon for car lots of the mixed materials and 11½c. per gallon for car lots of the normal. Demand was light.

Propane. — Volume of sales was slightly better last week and shipments more regular. The market was buoyed up by the natural gasoline market although the price did not advance. Material was offered at 11½c. per gallon for the normal material and 14c. for the laboratory grade, both basis Group 3.

Octanes.—Demand for this material was slightly better last week although sales volume did not increase materially. The long-standing price of 12½c. per gallon for car lots continued without revision.

Petrolatums and Waxes

Conditions surrounding the market for these materials were unchanged last week, with both prices and demand running in steady grooves. The market was more or less routine, but this was expected at this time of year. Sole exception appeared to be refined paraffin wax, which remained strong.

White Mineral Oils.—Both domestic suppliers and importers reported an unchanged market last week. Prices were firm, and demand, although light, was steady.

Petrolatum.—A favorable demand continued to be in evidence, but there was no indication of a price advance in the near future.

Paraffin.—Demand for refined wax continued fairly heavy last week. This fact tended to lend strength to prevailing prices, but no advances were made. The market for crude scale wax was routine.

CHICAGO, Aug. 10.—Refined petroleum wax is in fair call, with tone quiet and material moving fairly well, in the aggregate. Inquiry has held up well and actual orders are involving moderately good quantities of products. Most buyers are interested in limited amounts. Ruling prices are:—122-124, 4.25c. to 4.3c. per pound; 125-127, 4.35c. to 4.4c.; 127-129, 4.7c. to 4.75c.; 130-132, 5c. to 5.05c.; 132-134, 5.25c. to 5.3c.

Fuels and Lubricants

Gasoline consumption remained at a high level last week with prices unchanged. Heating oils were in a slightly better position and the tankcar price of one grade was advanced throughout New York and New England. Kerosene was a bit firmer.

Gasoline.—Consumption in the East continued at a high peak. The price was unchanged.

Kerosene.—A slightly better demand gave buoyancy to this market which was weak for several previous weeks. The price firmed.

Fuel and Gas Oils.—The tankcar price of No. 2 fuel oil was advanced ⅛c. per gallon throughout New York and New England to a level of 4c. The tankwagon price was also advanced ¼c. per gallon to 6c.

Lubricating Oils.—Pennsylvania lubricants were steady last week with prices unchanged at the quoted levels.

Crude Oil Price Changes

The Sinclair Prairie Oil Marketing Company reduced the price it will pay for crude in the Midcontinent area by 20c. per barrel. The company price in East Texas is now 90c. per barrel, while 36-degree gravity crude in Oklahoma is 82c., with 40 gravity and above at 90c. Other companies followed the reduction. The Standard Oil Company of California increased prices from 1c. to 8c. per barrel in the Montebelle field of Los Angeles.

Tankwagon Price Changes

Standard Oil Company of New York advanced the price of No. 2 fuel oil ¼c. per gallon to 6c. Principal sellers reduced third-grade gasoline 1c. per gallon to 10.9c., in Chicago, and 0.7c. per gallon to 12.4c. at Davenport, Ia.

Markets at Other Centers

Chicago, Aug. 10. — Consumption of gasoline continues to run at a high rate and accordingly trade orders are heavy. This is keeping the movement of gasoline from refineries high. It also is helping the refinery market hold steady in spite of the fact that supplies are large. Kerosene is dull and easy. Additional slight weakness has been witnessed in the light heating oils. The heavy fuel oils remain in good demand, with tone strong. Lubricants are quiet.

GASOLINE.—Low octane motor, 4¼c. to 4⅜c. per gallon; 63-66 octane motor, 4½c. to 4⅝c.; 67-69 octane motor, 4¾c. to 4⅞c.; 70-72 octane motor, 5c. to 5⅛c.; 60-62, 400 gasoline, 4¼c. to 4⅜c.; 65-66, 375, 4¼c. to 4½c.; 68-70, 360, 5c. to 5¼c.

Outputs and Quotas

A comparison of Bureau of Mines calculations for August productions, State allowable quotas where they exist and the American Petroleum Institute's estimate for crude production for the week ended August 5, follows:—

	*B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma	456,100	428,000	412,900
Kansas	160,300	166,000	176,000
Texas	1,426,500	†1,362,158	§1,743,500
Louisiana	264,500	264,163	275,000
Arkansas	53,900	61,117	63,400
Illinois	187,400	.....	279,500
Eastern	105,900	.....	97,500
Michigan	53,200	.....	67,850
Wyoming	73,200	.....	61,700
Montana	16,100	.....	16,550
Colorado	4,800	.....	4,000
New Mexico	116,100	116,100	109,100
California	595,200	‡595,000	602,400
Total	3,513,200	.....	3,909,400

* These are Bureau of Mines' calculations of the requirements of domestic crude oil based upon certain premises outlined in its detailed forecast for the month of July. As requirements may be supplied either from stocks, or from new production, contemplated withdrawals from crude oil inventories must be deducted from the Bureau's estimated requirements to determine the amount of new crude to be produced.

† Net daily average basic allowable for the thirty-one (31) day period beginning July 1st. Shutdowns are ordered for all Saturdays and Sundays during July.

‡ Recommendation of Central Committee of California Oil Producers.

§ Reflects discontinuance of week-end shutdown regulation for Saturday and Sunday, July 29th and 30th. Shutdowns are ordered for all Saturdays and Sundays during August.

The State of the Petroleum Market

The posted price of crude oil was reduced 20c. per barrel in the Midcontinent.

	Aug. 5	July 29	Last Year
Crude petroleum price at well (average for ten fields) per barrel	$1.127	$1.147	$1.26
Gasoline prices at refineries (at four refining centers) per gallon	.0492869	.0492869	.050625

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

NICKEL CATALYST
Also NICKEL CARBONATE - NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO.
420 LEXINGTON AVENUE NEW YORK, N. Y.

SHERWOOD'S SHEROLATUM
GUARANTEED QUALITY ALL GRADES
The Improved Petrolatum U. S. P.
SHERWOOD PETROLEUM COMPANY, INC.
REFINERY · WARREN, PA. MAIN OFFICE · ENGLEWOOD, N. J.

Highest quality
NAPHTHENIC ACID
U.S.P. and Technical WHITE OILS
CRESYLIC ACID
VISCOUS OILS (extremely viscous polymerized hydrocarbons)
CALODORANT GAS ODORANT
STANDARD OIL COMPANY OF CALIFORNIA
225 BUSH STREET, SAN FRANCISCO, CALIFORNIA 30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

NEUTROLEUM
ALPHA
GAMMA
MAKES BAD ODORS VANISH!
A few drops of NEUTROLEUM will neutralise instantly the most offensive odors. Originally introduced for use in fly sprays and petroleum-base preparations, it is now proving its effectiveness in hundreds of totally different technical products. Its cost is negligible; its value immeasurable. If your product has a sales-retarding scent you can free it of this handicap. Investigate NEUTROLEUM.
FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.
BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND ASNIÈRES (SEINE) FRANCE

V 136 17
AUG 1939
XUM

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1939 Jan. 1-Aug. 12	1938 Jan. 1-Aug. 12
Commercial crude oil production	764,376,000	741,717,700
	Week ended Aug. 12, 1939	Week ended Aug. 13, 1938
Daily average production	3,778,802	3,304,300
	Week ended Aug. 5, 1939	Week ended July 29, 1939
Estimated motor fuel stock total	76,431,000	77,887,000
Estimated finished motor fuel stock total	70,142,000	71,716,000

KEROSENE.—42-44, water white, 3¾c. to 4c. per gallon; 41-43, water white, 3⅝c. to 3⅞c.

FURNACE OILS.—Range oil, 3⅜c. to 3¾c. per gallon; No. 1 prime white distillate, 3⅝c. to 3⅝c.; No. 1 straw, 3¼c. to 3½c.; No. 2 straw, 3⅛c. to 3⅜c.; No. 2 dark, 3c. to 3¼c.; No. 3, 3c. to 3¼c.; 32-36. dark industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

New Orleans, Aug. 8.—The domestic market maintained the same steady price level during the past week, with no change in quoted prices. Foreign inquiries and exports were good. U. S. Motor gasoline was quoted at 5⅝c.; U. S. Motor below 62 octane at 5⅝c.; 63-67 octane at 5⅞c. and 68-70 octane at 6½c.—all prices being based on a per gallon rate at refinery.

The price of kerosene remained unchanged at 7½c. per gallon at refinery.

Bunker C fuel oil was quoted at 80c. per barrel at terminal and 85c. per barrel delivered alongside, while industrial plants in this vicinity continued to be quoted at $1.36 per barrel, delivered.

Crude Oil Daily Output Up

The daily average crude oil production in the United States during the week ended August 5 was at record levels. It was 3,909,400 barrels, an increase of 370,300 over the previous week's figure, according to the American Petroleum Institute. The previous record was set on the week ended August 28, 1937, when the daily average was 3,745,500. The increase was due to a lift of 383,800 barrels daily in the average production of Texas, where wells operated on all seven days, compared with the previous five-day week. Stocks of gasoline at the end of the week totaled 76,431,000 barrels, compared with 77,887,000 at the close of the preceding week.

Calif. Standard Oil Gets Arabian Oil Concession

San Francisco, Aug. 8, 1939

A subsidiary of two American concerns, the Standard Oil Company of California and the Texas Corporation, has obtained a 50 percent increase in oil concession lands in Saudi Arabia. The new concession, totaling 89,041 square miles, was obtained by the California Arabian Standard Oil Company, the subsidiary on payment of $1,156,400 to the Saudi Arabian independent government.

Nebraska Standard Oil Sale To Indiana Company Suggested

Omaha, Aug. 9, 1939

Standard Oil Company of Nebraska directorate have commended its sale to Standard Oil of Indiana for a price which will yield $17.50 a share, stockholders of the Nebraska Standard learned today from proxy statements mailed to them. Since the Nebraska company has 161,403 shares of stock outstanding, the total price apparently would be almost $3,000,000.

Conewango Refining Augments 'Cercon' Line of Waxes

The Conewango Refining Company, Warren, Pa., has added two new series to its line of 'Cercon' waxes. These new series, having high melting points of 155/160 and 170/175 degrees Fahrenheit are supplied in the full range of standard 'Cercon' colors:—snowdrift, lemon, orange, tangerine, apricot and olive. Produced to meet a demand for higher melting points in inexpensive waxes, these new items have necessitated the expansion of production facilities in Conewango's plant.

Gasoline 'Trust' Attack Intimated in Wyoming

OPD Washington Bureau
August 9, 1939

Federal cooperation in breaking an alleged gasoline trust in Wyoming was pledged today by Thurman Arnold, Assistant Attorney-General, in a telegram to Attorney-General Ewing T. Kerr of Wyoming.

The Wyoming official did not state what evidence he has of violations of the antitrust laws nor what action is being taken under State law, but Mr. Arnold declared that it is the department's policy to use Federal and State enforcement agencies jointly in antitrust actions, and that he hoped that a plan of action could be worked out cooperatively.

Sweden's imports of chemical products were valued at $41,800,000 in 1938. Value of chemical imports in the first three months of the current year amounted to $14,000,000. The United States' share in Sweden's chemical import trade averages about 8 percent of the total.

Trade Briefs

La Brea Paint Company, Los Angeles, has been organized by George K. Morgan.

A. C. Keller has been elected a vice-president of the Container Corporation of America, this city.

Bandini Fertilizer Company, Los Angeles, Calif., has been formed by T. S. Reynolds and Byron Reynolds.

California Ink Company is building an addition, 40 by 70 feet, to its printing and lithographing ink plant in Los Angeles.

Eastman Kodak Company, Rochester, plans the construction of a $500,000 plant at 1712-28 Prairie avenue, Chicago.

C. F. Guignon, of Guignon & Green, naval stores broker, this city, left August 12 for a vacation in Massachusetts.

General Pharmacal Company, Louisville, capitalized at $1,000, has been granted a charter. Incorporators were W. R. Offutt, L. A. Willan and Lillian Urich.

Harold King, of R. J. Prentiss & Co., botanical drugs and insecticides, this city, is vacationing at Minneapolis, Minn., and will be away from his desk at least until the end of this month.

Chemical importers and dealers in Norway have been listed by the Bureau of Foreign and Domestic Commerce, Washington. The list is available to accredited American firms at 10 cents per copy.

W. Farrar Vickers, of Benjamin R. Vickers & Sons, Ltd., chemical merchant, Leeds, England, sailed from this city August 9, homeward bound after a stay of several weeks in the United States.

Industrial Instruments, Inc., has moved to enlarged quarters in 156 Culver avenue, Jersey City. The company has also organized a division to specialize in the manufacture of custom-built electrical test equipment.

Congoleum-Nairn, Inc., this city, has patented a new product, "Nairn Linoleum Tile," said to be damp-proof. The new product was said to be suitable for installation on concrete underfloors on or below grade, as well as on wood and concrete underfloors above grade.

Mrs. F. A. Neuberg, of the Hackensack Golf Club, had the low net score in the July 28 tournament of the Women's New Jersey Golf Association; her score of 87—5—82 was also next to low for gross. Mrs. Neuberg is the wife of the general sales manager for the Warner Chemical Company, this city.

La Motte Chemical Company, manufacturer of reagents and apparatus for hydrogen-ion control and other analytical testing and standardization operations, Baltimore, has moved from the McCormick building, where it was located for a number of years, to the new plant in York road, one mile north of Towson, where it has largely increased space and greater facilities.

'Hot Oil' Indictments Returned in Louisiana

—Continued from page 4

rels daily for a period of several months. This oil was to be transported by a fifty-nine-mile pipe line to Longview, Tex., built by Mr. Burford, and through which 480,000 barrels of the contraband oil was said to have been moved before an East Texas Federal court issued a restraining order.

The government contended that Mr. Weiss received $48,592.66 from Mr. Burford, which represented 10 cents a barrel on the oil. Mr. Burford is also alleged to have paid Mr. Weiss $100,000 as a commission after the pipeline had been sold to the East Texas Oil Refining Company for $950,000. The government further charges that Mr. Weiss paid former governor Leche $67,000 "as his share of the illicit gains and profits of the said conspiracy," and kept a like sum. The indictment against Lesage was based on the allegation that Mr. Lesage conspired with Mr. Weiss in evading proper income tax payments, for which Mr. Lesage is said to have received $25,000.

Mandel Drug Co Wins N.A.R.D. Display Award

The Mandel Drug Company, 15702 Waterloo road, Cleveland, has been awarded the grand prize in the first annual National First Aid Week window display sponsored by the National Association of Retail Druggists. A suitable trophy will be presented to the winner at the annual convention of the association. Honorable mentions were:—Larry J. Carriveau, Milwaukee, Wisconsin; El Dorado Pharmacy, El Dorado, Arkansas; Fried's Pharmacy, Chicago, Illinois; Gardner's Prescription Drug Store, St. Joseph, Missouri; Julian's Drug Store, Athens, Tennessee; Karlin's Drug Store, South Bend, Indiana; Weber & Judd, Rochester, Minnesota; Wheeler's Pharmacy, Inc., Springfield, Vermont; Woodward's Pharmacy, Aberdeen, South Dakota; Charles H. Zimmermann, St. Louis, Missouri.

Celluloid Corp. Patent Suit Against Libbey-Owens Docketed

Toledo, Aug. 10, 1939

The patent infringement suit of the Celluloid Corporation, Newark, N. J., against the Libbey-Owens-Ford Glass Company, Toledo, filed in 1934, will get underway October 16 before Amos Conn, appointed special master today to hear the suit by Judge Frank Kloeb, of the United States District Court. The Celluloid Corporation alleges that the Libbey-Owens-Ford was infringing on patents it held for the placing of celluloid between two sheets of glass to make safety glass. Libbey-Owens-Ford will base its defense on claims that there was no infringement of patent and that patents claimed by the Celluloid Corporation are invalid.

Warner Cellulose Products, Inc., Brooklyn plant was damaged $3,000 to $4,000 by fire last week when stored film caught fire.

Oil Search Permits Reinstated by Congress

—Continued from page 5

plained that, under the act of August 21, 1935, the system of development of oil and gas resources in the public domain was changed to provide for the issuance of leases instead of prospecting permits for unproven oil and gas land. The secretary declared that the purposes of (S. 878) were discriminatory in favor of a comparatively small number of permittees, and he said:—

The procedure contemplated under S. 878 is not consistent with the standard requirement which obtained before the permit system was displaced. Moreover, 1,000 feet of drilling is wholly inconclusive as a bona fide test in the great majority of the structures found in the public-land States. Furthermore, the special privileges which would be extended to the small number of permittees who would be affected by S. 878 would be inequitable to the vast number of permittees whose permits were canceled for failure timely to meet the 2,000-foot-minimum drilling requirement during the fifteen-year period following 1920 when a special inducement of a 5 percent royalty was offered for the discovery of new oil and gas fields. Likewise, the extension of such privileges to this small group of permittees would be discriminatory against new applicants for oil and gas leases on the public lands who, since 1935, have not received any special reward for discovery of new oil or gas fields.

View 1,000 feet down the No. 2 shaft at Potash Company of America mines near Carlsbad, N. M.
POTASH COMPANY of America
GENERAL SALES OFFICE
MERCANTILE TRUST BUILDING BALTIMORE, MARYLAND
SOUTHERN SALES OFFICE MORTGAGE GUARANTEE BUILDING ATLANTA, GEORGIA
PCA
RED MURIATE

Fertilizer Materials

Market Quiet in All Sections—Feeding Tankage Advanced in New York—Farmers' Income Down—Exports, Imports Declined During 1938-39 Fiscal Year

The apathy of consumers that has been prominent in the market for raw fertilizer materials for several weeks, continued to be in evidence last week in all sections of the country. Sole activity in the New York market appeared to be a small interest in unground feeding tankage and a price advance was made. Contracting for delivery of chemicals was routine with sulphate of ammonia drawing less attention.

A similarly dull market was reported in the Midwest with inquiry about up to expectation for this time of year. This fact prompted the belief that business in the Fall will be about fair. Bone materials were attracting the best interest but the general feeling seemed to be conservative. The cotton crop in the lower South was endangered by lack of rain. Fertilizer manufacturers in that section were centering their attention on cottonseed meal which was being offered at "lower-than-quoted" prices. The rest of the market was quiet. The fish haul along the southern Atlantic coast was a bit better last week and there were reports of a few more sales made for future delivery.

Farmers had a cash income of $2,967,000,000 from the sale of farm products during the first half of this year, according to the Department of Agriculture. The income was 4 percent smaller than in the corresponding period of last year when total income was $3,084,000,000.

Exports of fertilizers and fertilizer materials from the United States in June totaled 136,016 long tons which was 36 percent heavier than the June, 1938, tonnage of 99,717. Exprots of nitrogeneous materials and phosphate rock were above last year, but the principal increase was in potash materials. In the 1938-1939 fiscal year exports totaled 1,504,697 long tons, a 9 percent decrease from the 1937-38 tonnage of 1,656,219. There was a decline in all classes of nitrogenous materials and land pebble rock.

June imports, amounting to 107,640 long tons exceeded the June, 1938, tonnage of 86,484 by 24 percent. An increase in the nitrogenous group was due to larger imports of sodium nitrate and castor pomace. Total import tonnage in the 1938-39 fiscal year amounted to 1,524,005 long tons and was 10 percent below the previous year's tonnage of 1,696,004. Decreases were prominent in importation of sodium nitrate, 20 percent superphosphate, muriate of potash and potassium-sodium nitrate mixtures.

Production of phosphate rock in Tunisia during the first five months of 1939 totaled 747,119 metric tons, compared with 906,831 during the corresponding period of 1938. Exports amounted to 791,095 metric tons during the period under review, compared with 621,347 in January-May, 1938.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Tankage, unground, feeding, N. Y., 15c. per unit

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.3	66.3	66.3	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Lack of buying interest continued to be the only reportable item as far as materials in this division of the raw fertilizer market were concerned. Demand was slight and only one price was changed.

Dried Blood.—The New York market continued to be quoted at $2.50 per unit-ton with little interest in offerings. Imported material was available at $2.70 per unit.

Fish Scrap.—A few more sales of menhaden scrap were reported made on a when-if-made basis. Prices for all scrap continued without revision.

Sulphate of Ammoniate.—Contracting for delivery this year was a bit less active last week. Material was being offered for August shipment at $26.75.

Tankage.—Unground feeding tankage was advanced 15c. per unit-ton at New York to a level of $2.90 and 10c. per unit in bulk. No other changes were reported.

Potashes

Demand for agricultural potash salts was at a low level with the primary interest of the trade centered on booking contracts for subsequent delivery. Orders placed on or before September 30 will be subject to a 5 percent price discount. Exports of potash salts from Russia declined from 109,982 metric tons in 1934 to 10,173 in 1936 and to 29,401 in 1937. No 1938 figures are available.

Phosphates

Materials in this division of the market were suffering from the lethargy of buyers and only small amounts of stocks were moving into consumption. Prices were steady at the quoted levels.

Bone Materials.—Demand was light and prices unchanged. Feed manufacturers were the only ones showing the slightest interest in offerings.

Phosphate Rock.—The price was unchanged with only small shipments reported.

Sulphur and Pyrites

Both materials were sluggish with prices unchanged. Sulphur production in the Netherland Indies totaled 15,757 metric tons in 1938, compared with 12,400 in 1937. Exports of pyrites from Yugoslavia in 1938 totaled 132,938 metric tons, against 125,643 in the preceding year. That country's output in 1937 amounted to 133,987 tons, against 79,754 in 1936, with 1938 production unofficially estimated to be the greatest of the three years.

Markets at Other Centers

Altanta, August 10.—The fertilizer market in the Southeast is very quiet. Prices of most materials continue on the same basis as the previous week. Among the organic ammoniates cottonseed meal is attracting interest of the fertilizer manufacturers who find that prices are falling. Eight percent meal in the Memphis market is offered at $20 per ton. The cotton crop continues to have hot, dry weather but could do with more rain in sections of the Southeast. The prices paid by the tobacco market continue to be better than on the opening days though not as high as last year. Quotations are as follows:

SUPERPHOSPHATE. — 52½c. per unit, Southeastern interior points.

NITRATE OF SODA.—$27 per ton, port basis.

SULPHATE OF AMMONIA. — $27 per ton, port basis

COTTONSEED MEAL.—8 percent grade, $23 per ton, Southeastern mills.

BLOOD.—$2.30 per unit, basis Chicago; $2.70, foreign, port basis.

TANKAGE. — $3.00 and 10c., South American port basis; $3 and 10c., Chicago.

NITROGENOUS.—$1.90 per unit, midwest; foreign $2.40, port basis.

Baltimore, August 10.—The market for crude fertilizer materials pursues the course that has been noted for some time and last week brought no changes. Prevailing quotations are about as follows:

FISH SCRAP.—Reports from down the Chesapeake Bay and outside of the Virginia capes as to the results achieved by the menhaden fishing companies are somewhat more encouraging. The hauls are stated to have increased of late and the fish are fatter. Some further sales of scrap have been made. Latest commitments are still made on the basis of $3.35 and 10c. per unit at factory. Menhaden meal is steady at $49 to $50 per ton, with Japanese sardine meal holding at $46.50 per ton.

TANKAGE.—The market for this ammoniate is quiet, with feeding material at $2.80 and 10c. per unit-ton and with fertilizer grades at $2.50 and 10c. to $2.60 and 10c. per unit-ton f.o.b. shipping point.

DRIED BLOOD.—With trading in this material inactive, supplies are available at $2.50 per unit-ton, f.o.b. shipping point.

SUPERPHOSPHATE. — The feeling appears to be a little better, but change has not been reflected in the figures named, which stand at $7.50 per ton for run-of-pile and at $8 per ton for 16 percent milled and screened supplies.

BONE.—Market conditions remain about as they have been, with manufacturers of feeds more conspicuous than purchasers of supplies for fertilizer mixture manufacturers. The price list shows a measure of steadiness, but buying interest continues to lag.

Chicago, Aug. 10.—The principal grades of fertilizer market materials have been holding quiet and dull here recently, with few price changes reported. Inquiry has been about up to expectation, leading to the belief that a fair amount of business can be expected in the near future. Blood has held dull with most buying in small lots. Tankage is in limited call. Bone materials have attracted some interest, but the general feeling seems to be conservative. Cracklings are unchanged to a shade easier.

BLOOD.—Principal grade, $2.30 per unit of ammonia.

TANKAGE.—High grade, feeding, $3 and 10c.; hoof meal, $2.50; liquid stick, $1.40 to $1.50.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $23 to $24; 3 and 50 percent, $26; 4½ and 50 percent, $26 to $27; grinding hoofs, pigs' toes and waste horn materials, $35 to $40; cattle jaws, skulls and knuckles, $25 to $26; beef cracklings, soft pressed, $37.50 to $42.50; pork cracklings, soft pressed, $47.50 to $50; hard pressed cracklings, per unit of protein, 77½c. to 80c.

San Francisco, Aug. 8.—Buying of chemical fertilizer materials for the coming season's requirements continued last week on a scale that bids quite fair for the success of the new mixing and distribution period in the state. The outlook generally must be observed with optimism. Crop prices are in good position and are much better than last year. The spot markets in organics are rather slow and aside from the chemical picture, not a great deal of business is noted. Ruling prices are:—

SULPHATE OF AMMONIA.—100-pound bags, $34.50 per ton delivered, which includes $4.40 freight allowance from factory. Freight exceeding this allowance to be paid by consignee.

NITRATE OF SODA.—100-pound bags, $29 per ton, ex-vessel or warehouse; 200-pound bags, $28.30 per ton, ex-vessel or warehouse.

SUPERPHOSPHATE. — Domestic, 75c. per unit in bulk, f.o.b. producer's plant. Bags, 85c. per unit.

FISH MEAL.—New crop California sardine meal, $39 to $40 per ton, f.o.b. San Francisco/Monterey. Oregon and Washington meal, $36 per ton f.o.b. production point.

TANKAGE.—Unground, fertilizer, wet rendered, domestic, $2.75 and 10c. per unit-ton, f.o.b. cars, South San Francisco. Dry rendered, ground, $42.50 per ton, f.o.b. cars, South San Francisco; unground dry rendered, 70c. to 72½c. per unit of protein, f.o.b. cars, South San Francisco.

BLOOD MEAL.—Domestic $2.85 per unit, f.o.b. cars, Los Angeles.

McCann Chemical Company, Washington building, Louisville, has been formed by C. W. A. McCann, who has resigned as a vice-president of the Archer-McCann Company. The McCann Chemical Company is a distributor of heavy chemicals, soaps, lime, solvents, laundry supplies, janitor's supplies, cleaner and dyer's supplies.

Phosphate and Potash Study Financed

OPD Washington Bureau
August 7, 1939

A continuation of the congressional investigation of phosphate resources in the United States was approved by the house and senate on the last day of the session, and the investigation was also extended to cover potash and related minerals.

The investigation was begun last Fall, and the joint committee made a report in the Spring outlining the extent and nature of phosphate deposits and suggesting that further studies be made of methods of developing deposits in the Rocky mountain area. The new resolution (Senate Joint Resolution 182) gives the committee until January 15, 1940, to make its final report and appropriates an additional $5,000 for this purpose.

It is understood that the committee intends to make some revisions in and additions to its report of last Spring and also to include some data on the extent of deposits of related minerals in the West. Tentative plans are for an inspection of manganese deposits in the Black Hills region in the Fall followed by a visit to the potash mines at Carlsbad, N. M.

Trade Briefs

Henry F. Copeland, white oil sales manager for L. Sonneborn Sons, Inc., this city, left today for his farm near Rutland, Vt.

Shell Oil Company, St. Louis, plans an $8,000,000 expansion and modernization program at its Wood River, Ill., plant.

J. & V. Fertilizer Company, Maywood, Calif., has been formed by Joseph Bozigian and Freeman Van Valkenburg.

John W. Walsh, head of the casein department of the American Cyanamid & Chemical Corporation, this city, is vacationing in New England and Canada.

Texas Gulf Producing Company this city, has obtained a temporary loan of $500.000 to finance the development of three oil fields discovered on its property in Jim Wells county, Texas.

Baltimore Oil Corporation has been chartered under the laws of Maryland with an authorized capitalization of 250,000 shares of common stock of a par value of $1 a share.

Golden Gate Paint, Varnish and Lacquer Association was addressed at a luncheon August 4 by Walter R. Creighton, of the California Narcotic Enforcement Division on "Narcotic Law Enforcement."

H. H. Anderson, of the Shell Oil Company, St. Louis, has been named chairman of a newly organized subcommittee on personnel of the American Petroleum Institute's committee on public relations.

SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

CRUDE SULPHUR
99½% PURE
Free From
ARSENIC, SELENIUM AND TELLURIUM
TEXAS GULF SULPHUR COMPANY
(INCORPORATED)
75 East 45th St., New York City
Deposits and Plants: Newgulf and Long Point, Texas

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

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Longwear Paint Claims Curtailed by F.T.C.

OPD Washington Bureau
August 7, 1939

The Federal Trade Commission has issued an order against Sam Bell, trading as Longwear Paint & Varnish Works, North Kansas City, Mo., directing him to discontinue misleading representations in the sale and distribution of paint products.

Under the order, the respondent is to cease representing as paint any product which does not contain the necessary ingredients in quantities sufficient to give it the quality, character, or value of paint. The respondent is further directed to cease misrepresenting the composition, properties or value of his products.

The order also prohibits representations that the respondent's paint products are manufactured at any place other than the actual place of manufacture, or that they are made by any person, firm, or corporation other than the actual manufacturer.

Burley, McCallum, Ratcliffe Head National Lead Units

William V. Burley has been named manager of the St. Louis branch office of the National Lead Company. Since February Mr. Burley has been acting manager of the office and also of the St. Louis Smelting & Refining Company and the National Pigment & Chemical Company, both subsidiaries.

Mr. Burley started as an auditor with the company and then became assistant controller. In 1934 he was named assistant general manager of the company's magnus division, a position he held until last February. John R. Higgins, formerly assistant controller will be assistant manager under Mr. Burley.

George L. Ratcliffe, formerly general manager of the Baroid Sales Company, Los Angeles, a subsidiary of National Lead, has been appointed manager of the National Pigment & Chemical Company. Jean McCallum, long associated with the company's mining properties, will head the St. Louis Smelting & Refining Company.

Trade Briefs

Chemical Fund, Inc., investment trust, this city, plans a merger with the Rochester Capital Corporation.

Alden R. Ludlow, jr., of U. S. Industrial Chemicals, Inc., this city, sailed on a vacation to Bermuda last week.

S. & P. Chemical Company, Santa Ana, Calif., has been formed by T. W. Scott and Harwood E. Park.

Soap production in Mexico in 1937 was valued at 33,930,000 pesos, compared with 31,930,000 pesos in 1936.

Thermalid Manufacturing Company has been organized in Los Angeles with a capital stock of $150,000.

Walgreen Company, Chicago, July sales amounted to $5,657,037, against $5,546,118 in July last year.

Ogden Perfection Filter Company, Los Angeles, has been organized by H. S. Ogden.

G. H. Kimber of the Solvay Sales Corporation this city, is vacationing in New England.

Champion Paper & Fibre Company, Hamilton, Ohio, plans the construction of a paper mill in Pasadena, near Houston, Tex.

Pittsburgh Plate Glass Corporation plans the production of a new glass building block containing an interior screen of glass fiber that reduces the transmission of solar energy.

E. A. Faulhaber has retired as vice-president of the Compressed Industrial Gases, Inc., Chicago. He will remain as a director of the company and in an advisory capacity.

J. C. Freundlich, assistant sales manager of the solvents department of Standard Oil Company of New Jersey, this city, began his vacation today at Cedar Grove Beach, S. I.

Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, CRESYLIC—50 dms, White Tar Co, Samaria, Liverpool
1 bx, American British Chem Supplies, Samaria, Liverpool
STEARIC—67 bgs, Orbis Product Corp, Samaria, Liverpool
ADEPS LANAE—149 bbls, C Tennant Sons & Co, Samaria, Liverpool
AGAR AGAR — 20 bls, Kachurin Drug Co, Nako, Kobe
ALBUMEN, BLOOD—1 ck, Rawiplug Co, Samaria, Liverpool
VEGETABLE—53 cs, Volkart Bros, Bremen, Bremen
ALOE—50 cs, Selma Mercantile Corp, Astrea, Curacao
ALTHEA ROOT—11 bls, Ida, Fiume
ALUMINA HYDRATE AND STEARATE—1 bg, Excalibur, Marseilles
ALUMINUM FOIL—136 cs, Rohner, Gehrig & Co, Ile de France, Havre
51 cs, F P Gaskell Co, Bremen, Bremen
AMMONIA, CARBONATE — 2 cs, American British Chem Supplies, Transylvania, Glasgow
PERCHLORATE—5 cs, Gustav Martin Tennaren, Gothenburg
PHOSPHATE SULPHATE — 136 bgs, Synthetic Nitrogen Product Co, Hansa, Hamburg
ANNATTO SEED — 64 bgs, Comliebank, Colombo
ANTIMONY ORE—1,450 bgs, Bank of London-South America, Frida, Antofagasta
729 bgs, Bank of London-South America, Santa Maria, Antofagasta
693 bgs, Santa Maria, Antofagasta
2 bgs, Exermont, Casablanca
REGULUS—40 kgs, C Gitlau & Co, Black Heron, Antwerp
ARNICA FLOWERS—10 bls, Hansa, Hamburg
ARSENIC—208 bbls, American Smelting & Refining Co, Panuco, Tampico
77 bbls, Leonard J Buck, Donald McKay, Stockholm
ARTISTS' MATERIAL—3 cs, Winsor & Newton, American Banker, London
ASBESTOS—8,020 bgs, Asbestos, Ltd, Excalibur, Alexandria
ASPHALT—18 dms, Panuco, Tampico
535 cakes, Hansa, Bremen
1,007 bgs, A V Berner & Co, Seatrain New York, Havana
268 bgs, Monterey, Vera Cruz
BLUE, BLEACHERS'—5 bbls, A De Ronde & Co, American Importer, Liverpool
BONE MEAL—1,090 bgs, Anewalt, Schmitt & Co, East Indian, Buenos Aires
BRISTLES—9 cs, M Broverman & Son, Kimikawa, Kobe
6 cs, F H Cone & Co, Kimikawa, Kobe
6 cs, Iwai & Co, Kimikawa, Kobe
55 cs, N Wagman Co, Nako, Dairen
135 cs, Mitsubishi Shoji Kaisha, Nako, Dairen
121 cs, H Rosenhirsch Co, Nako, Tientsin
55 cs, N Wagman Co, Nako, Tientsin
100 cs, Mitsui & Co, Nako, Shanghai
50 cs, Guaranty Trust Co, Nako, Tientsin
62 cs, F H Cone & Co, Nako, Tientsin
1 cs, American Banker, London
30 cs, Chesnut, Cooper & Co, Washington, Southampton
CALCIUM SILICON—534 bbls, Electro Metallurgical Co, Donald McKay, Bergen
CANARY SEED—424 bgs, East Indian, Buenos Aires
CARDAMOM—5 half cs, S B Penick & Co, Comliebank, Colombo
CAROB FLOUR—20 bgs, France, Campbell & Darling, Excalibur, Marseilles
40 bgs, Philipp Bros, Excalibur, Marseilles
CASEIN—406 bgs, Swift & Co, Brazil, Buenos Aires
CASSIA—45 bls, A G Dunn, Kota Pinang, Padang
CASTOR BEANS—11,974 bgs, Baker Castor Oil Co, Ayuruoca, Santos
1,700 bgs, Ayuruoca, Santos
5,541 bgs, Baker Castor Oil Co, Ayuruoca, Rio de Janeiro
3,000 bgs, Ayuruoca, Rio de Janeiro
1,700 bgs, Spencer Kellogg & Sons, Ayuruoca, Rio de Janeiro
151 bgs, Struller & Wood, Astrea, Gonaives
3,400 bgs, Baker Castor Oil Co, East Indian, Bahia
1,700 bgs, Tunley & Co, East Indian, Bahia
CHALK, COMMON—1,600 bgs, R L Watkins Co, American Banker, London
PRECIPITATED—100 cks, H J Baker & Bros, Samaria, Liverpool
CHAMOMILE FLOWERS—95 cs, Hansa, Hamburg
10 cs, Ida, Fiume
CHEMICALS—1,016 bgs, Advance Solvents & Chemical Co, Hansa, Hamburg
50 bgs, 2 cs, 50 bots, Hansa, Hamburg
500 bgs, Robinson-Wagner Co, Hansa, Bremen
1,016 bgs, Advance Solvents & Chemical Co, Hansa, Bremen
14 cks, Pfaltz & Bauer, Hansa, Bremen
2 cks, Stanley Doggett, Hansa, Bremen
104 cks, Calco Chemical Co, Hansa, Bremen
1 cs, Siber, Hegman & Co, Kimikawa, Kobe
125 crbys, Industrial Sales Corp, Black Heron, Antwerp
5 cs, American Banker, London
23 cyls, 8 cs, Sandoz Chemical Works, Ile de France, Havre
50 cks, Ile de France, Havre
1 cs, Gane & Ingram, Caraibe, Havre
150 cks, American Cyanamid & Chemical Co, Black Heron, Rotterdam
132 cs, Bergstrom Trading Co, Tennaren, Gothenburg
2 cks, Stanley Doggett, Bremen, Bremen
2 bbls, F Behrend, Donald McKay, Copenhagen
CHILLIES—45 bgs, A G Dunn, Kimikawa, Kobe
CINCHONA BARK—19 bgs, C E Griffin & Co, Santa Elena, Cristobal
1 pkg, W R Grace & Co, Santa Elena, Curacao
COALTAR DERIVATIVES—63 cks, General Aniline Works, Hansa, Bremen
INTERMEDIATES—17 cks, General Aniline Works, Hansa, Bremen
7 cks, 13 dms, General Aniline Works, Black Heron, Rotterdam
COBALT, METAL—39 cks, Central Trading Corp, Mercier, Antwerp
COCA LEAVES—1 bl, Maywood Chem Works, Santa Maria, Mollendo
102 bls, Maywood Chem Works, Santa Maria, Salaverry

COCOA BEANS—250 bgs, General Cocoa Co, Leif, Trujillo
1,000 bgs, Wessel, Kulenkampf & Co, Leif, Trujillo
1,000 bgs, Curacao Trading Co, Leif, Trujillo
3,000 bgs, Machado & Co, Leif, Sanchez
500 bgs, General Cocoa Co, Leif, Sanchez
800 bgs, Machado & Co, Leif, Puerto Plata
462 bgs, Machado & Co, Leif, Puerto Plata
250 bgs, Wessel, Kulenkampf & Co, Leif, Puerto Plata
2,500 bgs, W R Grace & Co, Ayuruoca, Rio Janeiro
2,000 bgs, Ayuruoca, Rio Janeiro
2,000 bgs, General Cocoa Co, Ayuruoca, Rio Janeiro
2,000 bgs, Wessel, Kulenkampf & Co, Ayuruoca, Rio Janeiro
1,000 bgs, Ayuruoca, Rio Janeiro
750 bgs, Panama, S P Ports
120 bgs, Lopez & Mangual, Astrea, Maracaibo
48 bgs, Struller & Wood, Astrea, Jeremie
45 bgs, Astrea, Jeremie
411 bgs, Guaranty Trust Co, Hellen, Lisbon
31 bgs, Doggett Chocolate Co, Manuela, San Juan
2,000 bgs, Wessel, Kulenkampf & Co, East Indian, Bahia
550 bgs, W R Grace & Co, Santa Maria, Guayaquil
1,000 bgs, Curacao Trading Co, San Juan, Macoris
750 bgs, Curacao Trading Co, San Juan, Sanchez
2,396 bgs, Curacao Trading Co, San Juan, Puerto Plata
300 bgs, Santa Elena, Porto Cabello
2,386 bgs, Curacao Trading Co, Coamo, Trujillo
250 bgs, J Aron & Co, Cubano, Port Spain
1,429 bgs, D Bacon, Samaria, Liverpool
65 bgs, Mecke & Co, Lara, Maracaibo
822 bgs, Exermont, Lisbon
COCONUTS—500 bgs, I L Toledano Corp, Panama, Cristobal
29 bgs, 43 half bgs, Universal Import & Export Co, Manuela, Mayaguez
77 bgs, Universal Import & Export Co, Manuela, Arroyo
83 bgs, I L Toledano Corp, Manuela, San Juan
1,032 bgs, General Foods Corp, Manuela, San Juan
75 bgs, J Ramirez, Coamo, San Juan
250 bgs, J A Manton, Talamanca, Cristobal
1,925 bgs, General Foods Corp, Talamanca, Cristobal
1,429 bgs, General Foods Corp, Quirigua, Kingston
COCONUT, DESIC—40 cs, Dodwell & Co, Kota Pinang, Colombo
COLORS—1 cs, F L Kraemer & Co, Hansa, Bremen
DRY—5 kgs, Samaria, Liverpool
EARTH—20 cks, F B Vandegrift & Co, Hansa, Hamburg
28 cks, J Lee Smith & Co, Hansa, Bremen
COPPER PRECIP—400 bgs, Caraibe, Havre
CORIANDER SEED—400 bgs, Central Hanover Bank Trust Co, Exermont, Casablanca
100 bgs, Peek & Velsor, Exermont, Casablanca
300 bgs, E E Marks & Co, Exermont, Casablanca
CORK SHAVINGS—490 bls, National City Bank, Exermont, Lisbon
WASTE—135 bls, Armstrong Cork Co, Exermont, Djidjelli
2,072 bls, Wicander & Co, Exermont, Bongie
979 bls, Manufacturers Trust Co, Exermont, Lisbon
WOOD—25 bls, Armstrong Cork Co, Hellen, Lisbon
36 bls, Hellen, Lisbon
230 bls, Ida, Algiers
125 bls, Armstrong Cork Co, Exermont, Djidjelli
205 bls, Wicander & Co, Exermont, Djidjelli
CUMIN SEED—73 bgs, Excalibur, Marseilles
200 bgs, B H Old & Co, Exermont, Casablanca
DANDELION ROOT—16 bls, Ida, Fiume
DERRIS CHIPS—50 cs, S B Penick & Co, Phemius, Semarang
50 cs, S B Penick & Co, Phemius, Batavia
57 cs, J F Frank, Phemius, Batavia
DILLSEED—86 bgs, Comliebank, Colombo
DRAGON'S BLOOD—4 cs, Bank of Manhattan, Kota Pinang, Segli
DUTCH METAL—2 cs, B F Drakenfeld & Co, Hansa, Bremen
DYES, ANILIN—18 cyls, Sandoz Chem Works, Ile France, Havre
50 cks, Geigy Co, Ile France, Havre
27 cns, Ciba Co, Ile France, Havre
6 kgs, Ile France, Havre
15 cyls, Sandoz Chem Works, Caraibe, Havre
7 dms, Sandoz Chem Works, Samaria, Liverpool
5 cks, 1 pkg, General Dyestuff Corp, Bremen, Bremen
EGG YOLK, HEN—56 cs, Braun Import Co, Nako, Tientsin
ENAMEL—5 cs, Hansa, Hamburg
ERGOT—20 cs, Booth American Shipping Corp, Samaria, Liverpool
20 cs, S B Penick & Co, Exermont, Lisbon
FAT, VEGETABLE—3 kgs, E Fougera & Co, American Banker, London
FENNEL SEED—96 bgs, Comliebank, Colombo
14 bgs, Ida, Fiume
FENUGREEK SEED—150 bgs, S B Penick & Co, Exermont, Casablanca
FILTER, PAPER—6 cs, H Reeve, Angel & Co, American Banker, London
3 cs, G F Doherty Co, Ile de France, Havre
FIRECLAY—236 bgs, Klay Stone Co, Bremen, Bremen
FISH LIVERS—240 cns, Silmo Chem Corp, Kimikawa, Shimizu
FLAXSEED — 5,805,000 kilos, 232,200 bus, Archer-Daniels-Midland Co, Cubano, Rosario
FLINT PEBBLES — 200 bgs, F L Smidth, Donald McKay, Copenhagen
FORMALDEHYDE SODA HYDROSULPHITE —30 kgs, Philipp Bros, Samaria, Liverpool
GAMBIER—600 cs, Phemius, Singapore
GELATIN — 20 cs, American Express Co, Hansa, Hamburg
100 bgs, Ile de France, Havre

GINGER ROOT—5 bgs, D Steengrafe, Manuela, Mayaguez
93 bgs, D Bacon, Samaria, Liverpool
123 bgs, Barclay Bank, Quirigua, Kingston
64 bgs, Quirigua, Kingston
GLASS FLINT—10 cs, Semon, Bache & Co, Samaria, Liverpool
WINDOW—6 cs, Perry Ryer & Co, Hansa, Bremen
73 cs, Semon, Bache & Co, Black Heron, Antwerp
297 cs, Mercier, Antwerp
GLUE—1 cs, T M Duche & Sons, Nako, Mozi
POWDERED—50 dms, 142 bgs, Rex & Reynolds, Excalibur, Marseilles
GLYCERIN — 100 dms, East Indian, Buenos Aires
GRAPHITE—276 bgs, Asbury Graphite Mills, Comliebank, Colombo
250 bgs, Comliebank, Colombo
GREASE, WOOL—22 dms, Karkoura, Melbourne
15 bbls, H S Dorf & Co, American Importer, Liverpool
25 bbls, Pfaltz & Bauer, Samaria, Liverpool
60 dms, Hummel Chem Co, Samaria, Liverpool
100 dms, Robinson-Wagner Co, Samaria, Liverpool
46 dms, Samaria, Liverpool
GUM, ARABIC—50 bgs, Hansa, Hamburg
BENZOIN—50 cs, Kota Pinang, Sibolga
CHICLE—176 bls, Banco National de Mexico, Panuco, Tampico
COPAL—(Correction) In the issue of July 31, Leghorn Trading Co was credited with 67 baskets, should have read E M Javitz Co, Kota Tjandi, Macassar
116 bskts, E M Javitz Co, Kota Pinang, Macassar
DAMMAR—100 cs, Chase Natl Bank, Kota Pinang, Batavia
100 bgs, Kota Pinang, Batavia
50 cs, O G Innes Corp, Kota Pinang, Singapore
100 cs, H H Scheel, Phemius, Singapore
25 cs, Hagemeyer Trading Co, Phemius, Singapore
KARAYA—3 bbls, McKesson & Robbins, Talamanca, Barranquilla
LOCUST BEAN—150 bgs, Victor M Calderon Co, Excalibur, Alexandria
10 bgs, T M Duche & Sons, Excalibur, Genoa
20 bgs, Innis, Speiden & Co, Excalibur, Genoa
75 bgs, Excalibur, Genoa
YACCA—220 bgs, S Winterbourne & Co, Kaikonra, Adelaide
GYPSUM—10 cks, American Banker, London
100 bgs, Hammell & Gillespie, Samaria, Liverpool
CRUDE—4,500 tons, U S Gypsum Co, Ravnanger, Windsor
HERBS, MEDICINAL—4 bgs, Eimer & Amend, Hansa, Hamburg
10 bgs, Hansa, Hamburg
23 bls, Peek & Velsor, Mercier, Antwerp
ILMINITE SAND — 8,750 tons, Braganza, Cochin
IPECAC ROOT—4 bls, Silvio Gaguine Co, Brazil, Rio Janeiro
IRISH MOSS—40 bls, P H Petry & Co, Caraibe, Havre
5 bls, Innis, Speiden & Co, Caraibe, Havre
100 bls, R J Prentiss & Co, Caraibe, Havre
50 bls, C H Reisig, Caraibe, Havre
50 bls, Caraibe, Havre
1 cs, A Bamberger, Astrid Thorden, Helsingfors
IRON OXIDE—1 ck, Hansa, Bremen
175 bbls, Hellen, Malaga
10 cks, American Importer, Liverpool
1 ck, C H Chrystal & Co, Samaria, Liverpool
15 cks, Samaria, Liverpool
224 bgs, 18 cks, C J Osborn & Co, Washington, Southampton
ISINGLASS—20 cs, H Reifenberg, American Banker, London
20 cs, American Banker, London
KAMALA POWD—60 bgs, Comliebank, Colombo
LEAVES, MEDICINAL—113 bls, P H Petry & Co, Excalibur, Marseilles
LICORICE PASTE—154 bgs, Excalibur, Marseilles
LIVER MEAL—300 bgs, Kaikoura, Brisbane
MACE—19 cs, J F Frank, Kota Pinang, Samarang
16 cs, A G Dunn, Phemius, Belawan Deli
MAGNESIA, CARBONATE—105 cs, 50 cks, Schofield-Donald Co, American Importer, Liverpool
TRISILICATE—25 cks, Schofield-Donald Co, American Importer, Liverpool
MANGANESE, HYDRATED—2 cks, Samaria, Liverpool
MANGROVE BARK, EXTRACT — 1,500 bgs, Saxe Cutch Corp, Kota Pinang, Sandakan
1,000 bgs, Phemius, Singapore
MATCHES, SAFETY—50 contrs, 30 cs, New York Match Co, Temnaren, Gothenburg
MATE—4 kegs, Youth Kist Laboratories, East Indian, Santos
MEDICINAL PREPS—3 cs, Burroughs, Wellcome Co, American Banker, London
20 cs, E Fougera & Co, Ile de France, Havre
6 cs, Italian Drug Import Co, Rex, Genoa
MENTHOL—40 cs, Kachurin Drug Co, Kimikawa, Kobe
25 cs, Theo Seltzer, Ile de France, Havre
MICA—3 cs, American Banker, London
165 cs, Brazil, Buenos Aires
20 cs, Silvio Gaguine Co, Brazil, Rio de Janeiro
16 cs, Brazil, Rio de Janeiro
316 cs, Comliebank, Calcutta
SCRAP—40 bgs, Brazil, Buenos Aires
SPLITTINGS—26 cs, Comliebank, Calcutta
WASTE—507 bgs, Comliebank, Calcutta
MINERAL, CONC—2,248,986 kilos, Amsterdam, Los Vilos
ORE—252,769 kilos, American Metal Co, Amsterdam, Valparaiso
SALT—40 cs, J B Theall, Santa Maria, Valparaiso
MOLASSES—200,000 kilos, W R Grace & Co, Santa Maria, Supe
485,000 kilos, W R Grace & Co, Santa Maria, Salaverry
8,026 gls, Seatrain New York, Havana
MUSTARD SEED—336 bgs, Old Dutch Mustard Co, Nako, Tientsin
NAPHTHALENE—500 bgs, Black Heron, Antwerp
NIGER SEED—67 bgs, Comliebank, Colombo
NUTGALLS—187 bgs, Zinsser & Co, Nako, Hongkong
NUTMEGS—48 bgs, Irving Trust Co, Kota Pinang, Samarang
313 bgs, W J Bush & Co, Kota Pinang, Padang
20 bgs, Kota Pinang, Padang
361 bgs, Phemius, Batavia
56 bgs, Phemius, Belawan Deli

OCHER—500 bgs, J Lee Smith & Co, Excalibur, Marseilles
1,300 bgs, 55 cks, C K Williams & Co, Excalibur, Marseilles
OIL, ALMOND BITTER—20 dms, Excalibur, Marseilles
ALMOND SWEET—30 cs, Excalibur, Marseilles
ANISE—11 dms, French Line, Kimikawa, Kobe
BAY—10 cs, D Steengrafe, Manuela, Arroyo
CAMPHOR—25 dms, Dodge & Olcott Co, Nako, Keelung
6 dms, Dautier Fils, Nako, Keelung
25 dms, Norda Essential Oil & Chemical Co, Nako, Keelung
3 dms, Ungerer & Co, Nako, Keelung
CITRONELLA—10 dms, Dodge & Olcott Co, American Banker, London
8 dms, H P Winter & Co, Kota Pinang, Batavia
10 dms, Chase National Bank, Kota Pinang, Batavia
20 dms, Kota Pinang, Batavia
CLOVE—12 dms, Kota Pinang, Padang
COD—100 cks, Chace Export Co, Fort Amherst, St John
CODLIVER—427 dms, McKesson & Robbins, Black Heron, Antwerp
2,027 tons, Chase National Bank, Moira, Hamburg
55 dms, Donald McKay, Bergen
ESSENTIAL—1 cs, Hansa, Hamburg
23 cs, Metapan, Puerto Barrios
3 dms, 2 cs, American Banker, London
20 cs, Ile de France, Havre
1 dm, Talamanca, Cristobal
19 pkgs, Excalibur, Marseilles
2 dms, Quirigua, Kingston
EUCALYPTUS—30 dms, MacCoy Sales Co, Kaikoura, Melbourne
FISH LIVER—23 dms, J D Irwin & Co, Kimikawa, Yokohama
87 dms, Atlantic Coast Fisheries Export Co, Nako, Yokohama
FUEL—52,000 bbls, Standard Oil Co of N J, Kennebec, Aruba
65,000 bbls, Standard Oil Co of N J, Paul H Harwood, Aruba
95,000 bbls, Standard Oil Co of N J, Esso Aruba, Aruba
LAVENDER—4 dms, Yardley & Co, American Banker, London
LEMON—25 half cs, Dodge & Olcott Co, Exermont, Messina
LUBRICATING—45 cs, N Y & N J Oil Co, Transylvania, Glasgow
5 dms, Rohner, Gehrig & Co, Mercier, Antwerp
3 dms, Sinclair Refining Co, Mercier, Antwerp
125 dms, Mercier, Antwerp
NAPHTHENIC RESIDUE—1 cs, Stendrup & Co, Panuco, Tampico
79 dms, Panuco, Tampico
OLIVE—400 cs, Hellen, Seville
50 dms, British-French Discount Bank, Excalibur, Piraeus
220 dms, Smith Wehman Co, Excalibur, Piraeus
100 dms, Venice Import Co, Excalibur, Piraeus
100 dms, J Osola & Co, Excalibur, Piraeus
100 dms, Margarites Bros, Excalibur, Piraeus
30 dms, Bonoil Pack Co, Excalibur, Piraeus
75 dms, Commi Bank of Greece, Excalibur, Piraeus
100 dms, Ionian Bank, Excalibur, Piraeus
40 dms, Banque Credit Commi Hellenique, Excalibur, Piraeus
450 cs, 5 dms, Excalibur, Piraeus
10 dms, Excalibur, Naples
565 cs, Excalibur, Leghorn
10 dms, Giovanni Maricante, Excalibur, Genoa
35 dms, Simone Bros, Excalibur, Genoa
100 dms, Atlantic & Pacific Tea Co, Excalibur, Genoa
25 dms, A Corrao, Excalibur, Genoa
5 dms, J R Tolibia, Excalibur, Genoa
850 cs, Excalibur, Genoa
100 dms, Strohmeyer & Arpe Co, Excalibur, Marseilles
5 dms, J P Smith & Co, Excalibur, Marseilles
132 bdls, Excalibur, Marseilles
200 cs, Rex, Genoa
50 dms, Bank of Manhattan, Exermont, Algiers
50 cs, Exermont, Lisbon
PALM—12 dms, J H Redding, Black Heron, Rotterdam
403 tons, Kota Pinang, Belawan Deli
491 tons, Van Leeuwan Boomkamp & Co, Kota Pinang, Belawan Deli
395 tons, Banque Belge pour l Etranger, Kota Pinang, Belawan Deli
517 tons, Phemius, Singapore
PATCHOULI—1 dm, Continental Bank Trust Co, Phemius, Batavia
PERILLA—Quantity, Mitsubishi Shoji Kaisha, Nako, Dairen
RICE BRAN—20 dms, Mitsui & Co, Kimikawa, Kobe
ORE CONC—5,005,025 kilos, Amsterdam, Taltal
PAPRIKA—49 cs, Hansa, Hamburg
PEATMOSS—1,200 bls, Hansa, Bremen
PEPPER, BLACK—40 bgs, Stein, Hall & Co, Kota Pinang, Batavia
258 bgs, Catz American Co, Phemius, Batavia
PETROLEUM, CRUDE—108,758 bbls, Gulf Oil Corp, Guifbird, Las Piedras
67,355 bbls, Cities Service Oil Co, Hagood, Tampico
96,227 bbls, Cities Service Oil Co, Norvik, Las Piedras
111,000 bbls, Standard Oil Co of N J, Heinrich V Riedemann, Aruba
PIMENTO—150 bgs, Gillespie & Co, Talamanca, Cristobal
100 bgs, Gillespie & Co, Quirigua, Kingston
100 bgs, Barclay Bank, Quirigua, Kingston
PLASTIC—4 cs, Victory Shipping Co, Hansa, Hamburg
POPPYSEED—100 bgs, American Bluefriesveen, Black Heron, Rotterdam
POTASH, NITRITE—2 cks, Hansa, Hamburg
SALT—6 kgs, American Banker, London
SULPHATE—250 bgs, N V Potash Export Mij, Hansa, Hamburg
PYRETHRUM FLOWERS—75 bls, R J Prentiss & Co, Kimikawa, Kobe
QUASSIA CHIPS—210 bgs, R J Prentiss & Co, Quirigua, Kingston
QUEBRACHO EXTRACT—10,130 bgs, American Tanners, East Indian, Buenos Aires
2,397 bgs, Tannin Corp, Brazil, Buenos Aires
400 bgs, International Prod Corp, Brazil, Buenos Aires
QUICKSILVER—45 flks, Chase National Bank, Monterey, Vera Cruz (option London)

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RADIUM—4 cs, Radium Chem Co, Mercier, Antwerp
RAPESEED—390 bgs, Brazil, Buenos Aires
67 bgs, Comliebank, Colombo
ROOT, MEDICINAL—9 bls, Hansa, Hamburg
ROSIN—50 cs, Ionian Bank, Excalibur, Piraeus
RUTILE SAND—600 bgs, Kaikoura, Sydney
SAPONIN—5 cs, Hansa, Hamburg
SARSAPARILLA ROOT—24 bls, Panuco, Tampico
SENNA LEAVES—209 bls, S B Penick & Co, Comliebank, Colombo
SESAME SEED—112 bgs, G T German, Nako, Tientsin
SHELLAC—25 cs, A Hurst & Co, Hansa, Hamburg
200 bgs, Gillespie-Rogers-Pyatt Co, Comliebank, Calcutta
500 bgs, Ralli Bros, Comliebank, Calcutta
3,120 bgs, Comliebank, Calcutta
SEEDLAC—200 bgs, Wm Zinsser & Co, Comliebank, Calcutta
80 bgs, Comliebank, Calcutta
SIENNA—132 cks, C K Williams & Co, Excalibur, Leghorn
19 bbls, Reichard-Coulston, Excalibur, Leghorn
SOAP—3 cs, R H Macy & Co, Queen Mary, Southampton
160 cs, Conti Prod Corp, Excalibur, Leghorn
11 cs, H Bendel, Washington, Havre
BASE — 141 cs, Yardley & Co, American Banker, London
COMMON—10 cs, Lever Bros, Samaria, Liverpool
SADDLE—50 cs, J J Gavin & Co, American Banker, London
STEARIC ACID—10 cs, Yardley & Co, American Banker, London
SODA, CACODYLATE — 5 cs, Mallinckrodt Chem Works, Ile de France, Havre
SILICOFLUORIDE—80 bbls, Hummel Chem Co, Hansa, Hamburg
40 bbls, Hummel Chem Co, Donald McKay, Copenhagen
SOLVENTS—69 dms, P R Alcohol Co, Manuela, San Juan
SPONGES—1 bl, Royal Bank of Canada, Lancastria, Nassau
2 bls, Oriente, Havana
SQUILL—140 bgs, Ida, Catania
STARCH, RICE—50 bbls, Mercier, Antwerp
STEATITE—5 bbls, Caldwell & Co, Excalibur, Leghorn
SULPHUR PRECIP—15 cks, Samaria, Liverpool
TALC—4,600 bgs, Whittaker, Clark & Daniels, Kimikawa, Kobe
100 bgs, Excalibur, Leghorn
450 bgs, Whittaker, Clark & Daniels, Excalibur, Marseilles
923 bgs, Comliebank, Calcutta
TANKAGE—1,012 bgs, Van Idelstine Co, East Indian, Buenos Aires
1,364 bgs, Swift & Co, East Indian, Buenos Aires
2,554 bgs, Wessel, Duval & Co, East Indian, Buenos Aires
1,003 bgs, Anewalt, Schmit & Co, East Indian, Buenos Aires
3,043 bgs, Guaranty Trust Co, East Indian, Buenos Aires
2,0[illegible] bgs, H J Baker & Bros, East Indian, Buenos Aires
1,000 bgs, J T Stanley, East Indian, Buenos Aires
4,921 bgs, East Indian, Buenos Aires
508 bgs, C Hollingshed & Co, East Indian, Montevideo
70 bgs, Kaikonra, Buenos Aires
70 bgs, Kaikonra, Melbourne
2 bgs, Brazil, Buenos Aires
TANTALITE ORE—37 bgs, Booth American Shipping Co, Phemius, Singapore
TAPIOCA FLAKE—979 bgs, Stein, Hall & Co, Kota Pinang, Sourabaya
FLOUR—12,934 bgs, Corn Product Refg Co, Leif, Puerto Plata
5,216 bgs, Stein, Hall & Co, Kota Pinang, Sourabaya
750 bgs, Stein, Hall & Co, Kota Pinang, Cheribon
500 bgs, National Adhesive Corp, Kota Pinang, Cheribon
2,675 bgs, Balfour, Guthrie & Co, Kota Pinang, Pamanoekan
7,492 bgs, Stein, Hall & Co, Phemius, Sourabaya
560 bgs, Phemius, Sourabaya
500 bgs, Java Hvg, Inc, Phemius, Cheribon
535 bgs, Balfour, Guthrie & Co, Phemius, Cheribon
500 bgs, G W Ruiff, Phemius, Cheribon
TARTAR—100 bgs, Standard Brands, Ida, Venice
192 bgs, Standard Brands, Ida, Algiers
TINTORIAL EXTRACT—100 cs, American Dyewood Co, Ile France, Havre
UMBER—10 cks, C B Chrystal & Co, Samaria, Liverpool
BURNT—18 cks, Stanley Doggett, Excalibur, Alexandria
30 cks, Bank of Manhattan, Excalibur, Alexandria
VALONIA—2,442 bgs, Exermont, Izmir
VANADIUM—3,962 bgs, Vanadium Corp, Santa Maria, Callao
WAX—1 pkg, Rohner, Gehrig & Co, Hansa, Bremen
50 cs, Transylvania, Glasgow
40 cs, Orbis Product Corp, Caraibe, Havre
20 cs, L A Salomon & Bros, Caraibe, Havre
BEES—10 serroons, Porcella-Vicini & Co, Leif, Trujillo
59 bgs, Machado & Co, Leif, Sanchez
18 serroons, Porcella-Vicini & Co, Leif, Puerto Plata
20 bgs, Machado & Co, Leif, Puerto Plata
720 bgs, Ayuruoca, Rio de Janeiro
30 bgs, Olavarria & Co, Oriente, Havana
6 bgs, Oriente, Havana
12 bgs, Mecke & Co, San Juan, Azua
7 bgs, Schutte & Focke, San Juan, Azua
31 pkgs, R Desvernine, Monterey, Vera Cruz
CANDELILLA—393 bgs, M Arguese & Co, Panuco, Tampico
CARNAUBA—72 bgs, American Cyanamid & Chemical Co, East Indian, Bahia
2 bgs, Selig Co, Brazil, Rio de Janeiro
CURICURY—15 bgs, F B Ross & Co, Ayuruoca, Rio de Janeiro

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WAX, VEGETABLE—50 bgs, A Hurst & Co, Transylvania, Glasgow
25 cs, Jungmann & Co, Nako, Mozi
50 cs, Innis, Speiden & Co, Nako, Mozi
200 cs, Paul & Dunkel & Co, Nako, Mozi
100 cs, American Cyanamid & Chem Co, Nako, Mozi
50 cs, W M Allison & Co, Nako, Kobe
100 cs, Mitsubishi Shoji Kaisha, Nako, Mozi
WHITING—2,000 bgs, Mercier, Antwerp
WOODFLOUR—500 bgs, Burnet Co, Donald McKay, Kotka
ZINC CHLORIDE—40 dms, American Cyanamid & Chem Co, Black Heron, Antwerp
OXIDE—5 bgs, Yardley & Co, American Banker, London
50 cks, C B Chrystal & Co, Vigilant, Gdynia
23 bbls, Orbis Product Corp, Excalibur, Marseilles
50 cks, State Chem Co, Donald McKay, Gdynia
ZINC-AMMONIA CHLORIDE—20 cks, American Cyanamid & Chem Co, Black Heron, Antwerp
ZIRCON SAND—2,000 bgs, Kaikoura, Sydney

New York Transit Imports

ARCHIL, LIQUID—10 cks, Yorkshire Dyewood & Chem Co, Samaria, Liverpool, Chicago
BLACK SULPHUR—20 dms, Mitsui & Co, Nako Mozi, Montreal
CASTOR BEANS—1,700 bgs, Berkshire Chem Co, East Indian, Bahia, Bridgeport
1,700 bgs, Spencer Kellogg & Sons, East Indian, Bahia, Buffalo
CODLIVER MEAL—2 half bgs, Purina Mills, Donald McKay, Bergen, St Louis
CORIANDER SEED—350 bgs, Thomson & Taylor, Exermont, Casablanca, Chicago
50 bgs, McLaughlin, Gormley & King, Exermont, Casablanca, Minneapolis
CUMIN SEED—60 bgs, Thomson & Taylor, Exermont, Casablanca, Chicago
MOLASSES — 1,447,030 gls, Commercial Molasses Corp, Comol Cuba, Media, Luna, Albany
MUSTARD SEED—500 bgs, W C Otten, American Banker, London, Rochester
OIL, COD—316 tons, Procter & Gamble Co, Nako, Yokohama, Cincinnati
PERILLA—Quantity, W G Smith Co, Nako, Dairen, Cleveland
PAPAIN—238 cs, American Ferment Co, Comliebank, Colombo, Buffalo
SPONGES—30 bls, Oriente, Havana, Havre
REFUSE—5 bls, Oriente, Havana, Havre

Baltimore Imports

AMMONIATED PHOSPHATE—61 tons, Yselhaven, Antwerp
BONEMEAL—2,580 bgs, Laura C, Fiume
544 bgs, Black Falcon, Rotterdam
CADMIUM—50 cs, Black Falcon, Antwerp
CHEMICALS—600 bgs, McKeesport, Glasgow
800 bgs, 50 cks, Black Falcon, Antwerp
100 cks, Black Falcon, Rotterdam
CHROME ORE—1,000 tons, Exhibitor, Thessaloniki
CLAY, VALLENDAR—100 cks, Black Falcon, Rotterdam
IRON ORE (CHROME BEARING)—2,000 tons, Yamabiko, Manila
22,300 tons, Bethlehem Steel Co, Svealand, Cruz Grande
KYANITE ORE—200 tons, City of Eastbourne, Calcutta
LEAVES, MED, DRIED—95 bls, Cypria, Marseilles
LIVERMEAL—395 bgs, Mormacmar, Buenos Aires
LOGWOOD—1,225 tons, J S Young Co, Herbert L Rawding, Haiti
MANGANESE—100 tons, Laura C, Trieste
ORE—1,500 tons, City of Eastbourne, Calcutta
8,700 tons, Reinholt, Rio de Janeiro
MYROBALANS—2,800 pockets, City of Eastbourne, Calcutta
PAINT—10 cs, Rydboholm, Gothenburg
PEATMOSS—1,200 bls, Black Falcon, Rotterdam
PETROLEUM, CRUDE—115,912 bbls, Standard Oil Co, Franz Klasen, Las Piedras
POTASH, CHLORATE—75 dms, Ch Hardy Co, Black Falcon, Antwerp
MURIATE—4,464 tons, Yselhaven, Antwerp
SULPHATE—446 tons, Yselhaven, Antwerp
QUEBRACHO EXTRACT—2,100 bgs, International Product Co, Mormacmar, Buenos Aires
11,047 bgs, Tannin Corporation, Mormacmar, Buenos Aires
TANKAGE—3,000 bgs, McKeesport, Belfast
1,000 bgs, Mormacmar, Buenos Aires

Boston Imports

ACID, CRESYLIC—25 dms, American Express Co, Samaria, Liverpool
NITRIC—15 dms, Advance Solvents & Chemical Corp, Tampa, Oslo
BONEMEAL—600 bgs, 60,851 lbs, Norefjord, Buenos Aires
BONES—371 bgs, 45,220 lbs, Norefjord, Santos
CASSIA—113 pkgs, Kota Pinang, Belawan-Deli
COCOA BEANS—3,086 bgs, 200 tons, Cie Francaise de l'Afrique, Occidentale, West Lashaway, Lome
COLOR, DRY—1 cs, Croxall Chemical Co, American Importer, Liverpool
EMERY FILLET—4 cs, American Express Co, American Importer, Manchester
FISH LIVERS—1 cs, J A Rich Co, Saint John, Yarmouth, N S
8 bxs, Russo & Sons, Saint John, Yarmouth, N S
2 bxs, Dench & Hardy, Saint John, Yarmouth, N S
1 cs, Reba Fisheries, Evangeline, Yarmouth, N S
2 cs, J A Rich Co, Evangeline, Yarmouth, N S
1 cs, from New Brunswick
1 cs, Dench & Hardy, Evangeline, Yarmouth
FLINT—2 kgs, 488 lbs, D C Andrews Co, Sarcoxie, London
GLUE—17 bbls, Nicholson & Co, Saint John, Yarmouth, N S
GLUESTOCK, FISH—1 bx, J R Poole Co, Yarmouth, Yarmouth
9 cs, J R Poole Co, Saint John, Yarmouth
1 bbl, Reba Fisheries, Evangeline, Yarmouth
2 pkgs, J R Poole Co, Evangeline, Yarmouth
HIDE—350 bgs, American Importer, Manchester
286 bgs, American Express Co, American Importer, Liverpool
290 bgs, American Express Co, Samaria, Liverpool
IRON, OXIDE—40 bgs, 10 dms, Reichard-Coulston, American Importer, Liverpool
OXIDE, SYNTH—10 cks, Joseph A McNulty Co, American Importer, Liverpool
MEDICINAL PREPS—1 cs, Quong Wo Lung, President Polk, Hongkong
1 cs, Tung Hing Lung, President Polk, Hongkong
4 cs, Foo Sun Co, President Polk, Hongkong
MICA SPLITTINGS—25 cs, Guaranty Trust Co, Comliebank, Calcutta
MOLASSES—907,225 gls, Commercial Molasses Corp, Comol Rico, Sagua La Grande
300,000 gls, Boston Molasses Co, Comol Rico, Havana
NUTMEGS—34 bgs, Phemius, Batavia
OCHER—15 csks, 9,153 lbs, Excalibur, Marseilles
100 bgs, 15 csks, 14,407 lbs, Reichard Coulston, Excalibur, Marseilles
OIL, COD—100 dms, Tampa, Oslo
CODLIVER—25 dms, American Importer, Manchester
235 dms, United Drug Co, Tampa, Bergen
FUEL—34,000 bbls, 1,428,000 gls, Colonial Beacon Oil Co, R P Resor, Aruba
27,000 bbls, 1,134,000 gls, Colonial Beacon Oil Co, Beaconstreet, Aruba
OLIVE—115 cs, 12,037 lbs, Excalibur, Genoa
PALM—686 tons, Balfour, Guthrie & Co, West Lashaway, Matadi
PEANUT—90 cs, Tung Hing Lung, President Polk, Hongkong
SESAME—10 cs, Tung Hing Lung, President Polk, Hongkong
SPERM—50 bbls, Transylvania, Glasgow
PEATMOSS—350 bls, 67,478 lbs, Sarcoxie, Hamburg
700 bls, 97,509 lbs, Peat Import Corp, Sarcoxie, Bremen
PERFUMERY—1 cs, R H Stearns Co, American Importer, Liverpool
PETROLEUM, CRUDE—48,402 bbls, 7,274 tons, Colonial Beacon Oil Co, R P Resor, Las Piedras
49,238 bbls, 7,390 tons, Colonial Beacon Oil Co, Beaconstreet, Las Piedras
QUEBRACHO EXTRACT—12,625 bgs, 1,369,233 lbs, American Tanners, Norefjord, Buenos Aires
SHELLAC—100 bgs, First National Bank, Comliebank, Calcutta
SEEDLAC—400 bgs, Philadelphia National Bank, Comliebank, Calcutta
SILICON CARBIDE—120 csks, 33,376 lbs, American Abrasive Corp, Sarcoxie, Hamburg
SOAP—50 cs, 1,955 lbs, Conti Products Corp, Excalibur, Leghorn
FLAKES—1 cs, Lever Bros, Samaria, Liverpool
TOILET—1 cs, Lever Bros, Samaria, Liverpool
SPICES—10 crtns, National Importing Co, Svaneholm, Gothenburg
TAPIOCA FLOUR—1,000 bgs, Stein, Hall & Co, Phemius, Sourabaya
249 bgs, Phemius, Cheribon
3,320 bgs, National City Bank, Kota Pinang, Sourabaya
1,654 bgs, Central Hanover Bank & Trust Co, Kota Pinang, Pasoeroean
PEARL—134 bgs, National City Bank, Phemius, Sourabaya

Boston Transit Imports

OIL, PEANUT—2 cs, Wing Hun Co, President Polk, Hongkong, for Fairville, N B

Galveston Imports

SODA CYANIDE—268 dms, Maasdam, Rotterdam

Houston Imports

BONE FLOUR—1,678 bgs, Maasdam, Antwerp
MEAL—1,120 bgs, Louisiane, Antwerp
CRATER COMPOUND — 1 dm, American Press, Cristobal
MUSTARD—37 cs, Maasdam, Rotterdam
OIL—2 dms, American Press, Cristobal

Los Angeles Imports

AMMONIA PHOSPHATE—268,800 lbs, Kingsley, Trail
SULPHATE—129 920 lbs, Kingsley, Trail
CALCIUM ARSENATE—150,000 lbs, Kimikawa, Osaka
CASSIA—6,670 lbs, President Cleveland, Hongkong
CHEMICAL SALT—30 lbs, President Cleveland, Hongkong
1,610 lbs, Tokai, Japan
CHINA CLAY—121,410 lbs, Dinteldijk, Plymouth
100 bgs, 22,620 lbs, Dinteldijk, Plymouth
280 bgs, 22,400 lbs, Dinteldijk, St Austell
CINNAMON QUILLS—200 bls, 20,000 lbs, President Cleveland, Colombo
CLAY, BALL—141,120 lbs, Dinteldijk, Plymouth
COALTAR, DEHYDRATED—106,620 lbs, Parthenia, Glasgow
COCONUT, DESIC—250 bgs, 25,350 lbs, Peter Maersk, Manila
150 cs, 20,750 lbs, President Cleveland, Manila
2,915 cs, 377,130 lbs, Delhi, Manila
COPRA MEAL—10,000 bgs, 1,000,000 lbs, Delhi, Manila
CUMIN SEED—260 bgs, 28,600 lbs, President Harrison, Nicosia
DRUGS, ADVANCE—2,330 lbs, President Cleveland, Hongkong
CRUDE — 4,370 lbs, President Cleveland, Hongkong
FISH LIVERS—1,172 tins, 46,880 lbs, Tokai, Yokohama
210 tins, 8,400 lbs, Tokai, Kobe
390 tins, 15,600 lbs, Kyusyu, Kobe
GLASS, SHEET—3 cs, 6,140 lbs, Oregon, Brussels
WINDOW—16 pkgs, 4,140 lbs, Oregon, Charleroi
INSECTICIDES — 15 pkgs, 1,160 lbs, from Berlin
LIME, HYDRATED — 60 pkgs, 12,230 lbs, Pacific, Halsingborg
MAGNESIA CARBONATE—3,500 lbs, Pacific Reliance, Newcastle-on-Tyne
MEDICINAL PREPS—50 lbs, Tatuta, Yokohama
1,200 lbs, Dinteldijk, England
MINERALS, CRUDE—1,320 lbs, Montevideo, Rio de Janeiro
MUSTARD, PREP — 3,470 lbs, Dinteldijk, London
NAPHTHALENE, CRUDE—150 bgs, 33,070 lbs, Dinteldijk, Amsterdam
OCHER, POWD—160 bgs, 8,000 lbs, Leme, France
OIL, CHINAWOOD—313 dms, 131,460 lbs, President Cleveland, Hongkong
223,360 lbs, Peter Maersk, Hongkong
20 dms, 8,000 lbs, Peter Maersk, Hongkong
CODLIVER—25 dms, 5,630 lbs, Laurits Swenson, Bergen
120 bbls, 27,000 lbs, Laurits Swenson, Bergen
GARLIC—30 lbs, from Berlin
PEANUT—2,520 lbs, President Cleveland, Hongkong
RICE BRAN—311,400 lbs, Tatuta, Kobe
30 dms, 12,000 lbs, Heiyo, Kobe
PAPRIKA—8,810 lbs, from Budapest
2,750 lbs, Tacoma, Budapest
PEATMOSS—250 pkgs, 24,640 lbs, Laurits Swenson, Malmo
400 bls, 62,720 lbs, Dinteldijk, Amsterdam
300 bls, 35,840 lbs, Pacific, Stockholm
PERFUME—10 lbs, from Paris
PHOSPHORUS—10 cs, 1,000 lbs, Kinai, Osaka
RESIN VINYL—1,000 lbs, from Montreal
SEAWEED, CRUDE—1,240 lbs, Tatua, Kobe
50 lbs, Nako, Yokohama
SESAME SEED—100 lbs, Tatuta, Yokohama
TAPIOCA FLOUR—2,250 lbs, President Cleveland, Hongkong
TOILET PREPS—180 lbs, from London
123 lbs, Tatuta, Yokohama
TRICHLOROETHYLENE—25 cks, 14,990 lbs, Leme, Paris
UMBER POWD—3,330 lbs, President Harrison, Larnaca
ZINC CHLORIDE—20 dms, 11,020 lbs, Este, Brussels

Mobile Imports

BAUXITE ORE — 3,227 tons, Janna, Paramaribo

New Orleans Imports

BONE MEAL—2,195 sx, Chase National Bank, Liberator, Rotterdam
CHEMICALS—72 csks, Advance Solvents & Chem Corp; Dessau, Hamburg
LIME, HYDRATED—4,536 sx, United Fruit Co, Dessau, Bremen
PEATMOSS—285 bls, Dessau, Bremen
PEPPER, BLACK—150 sx, Tanimbar, Oosthaven
TAPIOCA FLOUR — 363 sx, Kota Tjandi, Tjilatjap
UREA — 1,839 sx, United Fruit Co, Dessau, Hamburg

Norfolk Imports

BONE FLOUR—1,108 bgs, Blommersdijk, Rotterdam
MEAL—1,120 bgs, Blommersdijk, Rotterdam
COCOA WASTE—12,500 bgs, Monsanto Chemical Co, Blommersdijk, Rotterdam
COLORS, PRINTING—8 dms, American Express Co, Sarcoxie, Hamburg
LEATHER WASTE—73 bls, 879 bgs, Manchester Brigade, Manchester
PEATMOSS—100 bls, Blommersdijk, Rotterdam
TALC—875 bgs, 83 tons, Pipestone County, Bordeaux

Philadelphia Imports

BONE MEAL—600 bgs, Laura C, Naples
1,090 bgs, East Indian, Buenos Aires
BONES, GLUE—680,460 kilos, Swift & Co, Helgoland, Rosario
1,000,000 kilos, Swift & Co, Norefjord, Buenos Aires
CANARY SEED—250 bgs, Examiner, Casablanca
CHEMICALS—51 dms, Zaandam, Rotterdam
21 cks, Aachen, Bremen
45 dms, 50 kgs, Zaandam, Rotterdam
CHROME ORE—610 bgs, City of Rayville, Madras
1,007 tons, 3 cwt, 3 qrs, E J Lavino & Co, Dundrum Castle, Beira
CINCHONA BARK—906 bls, Zaandam, Rotterdam
CLEANSER—3 dms, Wm J Jones & Co, Zaandom, Rotterdam
COCOA BEANS—2,000 bgs, East Indian, Bahia
1,469 bgs, Aachen, Hamburg
3,587 bgs, McKeesport, Liverpool
1,600 bgs, Banque Canadienne Nationale, West Lashaway, Accra
2,990 bgs, West Lashaway, Lagos
5,560 bgs, Balfour, Guthrie & Co, West Lashaway, Lagos
6,400 bgs, Balfour, Guthrie & Co, West Lashaway, Takoradi
14,772 bgs, Balfour, Guthrie & Co, West Lashaway, Grand Bassam
3,656 bgs, Banque Canadienne Nationale, West Lashaway, Accra
6,400 bgs, Balfour, Guthrie & Co, West Lashaway, Accra
500 bgs, Cypria, Lisbon
COLORING, METALLIC—4 cs, R M Pennington, Schodack, Havre
CORK, TRIMMINGS—270 bls, Cypria, Lisbon
VIRGIN—2,648 bls, Armstrong Cork Co, Monfiore, Collo
WASTE—2,394 bls, Chase National Bank, Examiner, Didjelli
1,450 bls, Chase National Bank, Examiner, Bona
1,603 bls, Armstrong Cork Co, Monfiore, Collo
15,635 bls, Armstrong Cork Co, Monfiore, Collo
WOOD—378 bls, Armstrong Cork Co, Monfiore, Collo
172 bls, Cypria, Lisbon
FLAXSEED—3,884 bgs, 2,321,500 kilos, Helgoland, Diamante
1,802,000 kilos, 3,636 bgs, Nordkap, San Nicholas
GLYCERIN—5 dms, Zaandam, Rotterdam
CRUDE—116 dms, Norefjord, Buenos Aires
GUM COPAL—191 bgs, 48 bskts, Brown Bros, Harriman & Co, Malayan Prince, Passoeroean
137 bskts, National City Bank, Malayan Prince, Passoeroean
341 bskts, Guaranty Trust Co, Malayan Prince, Passaoeroean
GYPSUM, CRUDE—5,100 tons, U S Gypsum Co, Gypsum King, Windsor
5,000 tons, U S Gypsum Co, Gypsum Queen, Windsor
5,500 tons, U S Gypsum Co, Gypsum Prince, Windsor
MANGANESE—100 bgs, Cypria, Marseilles
ORE—8 bbls, Foote Mineral Co, Gypsum King, Windsor
464 bgs, Cypria, Marseilles
203,200 kilos, Marthur Tuteen, Laura C, Sibernck
MAGNESITE—30 dms, Zaandam, Rotterdam
MOLASSES—594,938 gls, Carrabulle, Santiago
752,097 gls, Carrabulle, Jucaro
1,367,160 gls, Catahoula, Bufadero
NAPHTHALENE, CRUDE—125 bgs, Zaandam, Rotterdam
OCHER—200 bgs, Theodore H Duetz, Cypria, Marseilles
40 bgs, Cypria, Marseilles
OIL, CORN—152,250 kilos, Zaandam, Rotterdam
ESSENTIAL—16 dms, Castilla, Puerto Barrios
NEATSFOOT—100 bbls, Helgoland, Buenos Aires
OLIVE—100 cs, Belvedere, Genoa
PAPRIKA—430 bgs, 20 cs, Aachen, Hamburg
PEATMOSS—194 bls, Marine Midland Trust Co, Zaandam, Rotterdam
800 bls, Aachen, Hamburg
400 bls, Sarcoxie, Hamburg
744 bls, Zaandam, Rotterdam
PETROLEUM, CRUDE—91,777 bbls, Gulf Oil Corpn, Gulfpenn, Las Piedras
111,897 bbls, Gulf Oil Corpn, Gulfwing, Las Piedras
92,941 bbls, Atlantic Refining Co, Permian, Las Piedras
POLLUSITE ORE—5 cs, Aachen, Hamburg
POPPYSEED—100 bgs, Zaandam, Rotterdam
PUMICE—300 bgs, Chas B Chrystal & Co, Belvedere, Canneto Lipari

QUEBRACHO EXTRACT—13,782 bgs, Tannin Corpn, East Indian, Buenos Aires
1,333 bgs, Tannin Corpn, Mormacmar, Buenos Aires
RAPESEED—450 bgs, Helgoland, Diamante
ROSEMARY LEAVES—13 bls, Cypria, Marseilles
SAVORY LEAVES—8 bls, Cypria, Marseilles
SUMAC LEAVES—200 bls, Examiner, Palermo
100 bls, Belvedere, Palermo
SHELLAC—1,000 bgs, Bank of London & South America, City of Rayville, Calcutta
150 bgs, Bank of Manhattan Co, City of Rayville, Calcutta
1,460 bgs, Bankers Trust Co, Marwarri, Calcutta
200 bgs, Bank of London & South America, Marwarri, Calcutta
250 bgs, Marwarri, Calcutta
SODA SILICOFLUORIDE—150 bgs, Aachen, Hamburg
250 bgs, Aachen, Bremen
STARCH, POTATO—250 bgs, Stein, Hall & Co, Zaandam, Rotterdam
STRONTIATE ORE—1 bg, Examiner, Tunis
TANKAGE—3,549 bgs, Swift & Co, Helgoland, Rosario
471 bgs, East Indian, Buenos Aires
DRY RENDERED—1,520 bgs, Norefjord, Buenos Aires
UNGROUND—2,000 bgs, Mormacmar, Santos
TAPIOCA FLOUR—535 bgs, Balfour, Guthrie & Co, Malayan Prince, Pamanoekan
500 bgs, New York Trust Co, Malayan Prince, Cheribon
560 bgs, Bank of New York & Trust Co, Malayan Prince, Pasoeroean
276 bgs, Malayan Prince, Pasoeroean
748 bgs, Penrith Castle, Cheribon
2,635 bgs, Balfour, Guthrie & Co, Penrith Castle, Pamanoekan
THYME LEAVES—100 bls, Cypria, Marseilles
TUBA ROOT—43 bls, Penrith Castle, Singapore

Portland, Ore., Imports

BABASSU KERNELS — 1,667 sks, National City Bank, Lowther Castle, Maranhao
GUM, DAMMAR—10 cs, H M Newhall & Co, Hoegh Silverstar, Batavia
MOLASSES—600 tons, Mauna Ala, Hilo
OIL, CODLIVER—25 dms, Kinney Shipping Co, Abraham Lincoln, Oslo
LUBRICATING—65 dms, Standard Oil Co of California, Oakland, Antwerp
OLIVE—10 dms, McKesson & Robbins, Celina, Genoa
PARAFFIN — 400 sks, Shell Oil Co, Hoegh Silverstar, Balikpapan
PEATMOSS—300 bls, Bank of California, N A, Oakland, Bremen

San Francisco Imports

APRICOT KERNELS—10 cs, Ti Hang Lung & Co, President Coolidge, Hongkong
BONE FLOUR—560 sks, Oregon, Antwerp
MEAL — 500 sks, Balfour, Guthrie & Co, Heiyo, Kobe
BRISTLES—100 cs, H Rosenhirsch Co, President Cleveland, Hongkong
135 cs, B C Ritchie, President Cleveland, Shanghai
55 cs, H Rosenhirsch Co, President Cleveland, Shanghai
52 cs, B C Ritchie, President Cleveland, Tangku
55 cs, H Rosenhirsch Co, President Cleveland, Tientsin
55 cs, H Rosenhirsch Co, President Cleveland, Tangku
50 cs, Kane Import Co, President Cleveland, Tientsin
122 cs, H Cone & Co, President Cleveland, Tientsin
73 cs, N Wagman, President Cleveland, Tientsin
55 cs, Chase National Bank of N Y, President Cleveland, Tangku
CASSIA—35 bls, Wah Young Co, President Cleveland, Hongkong
100 bls, S L Jones & Co, President Cleveland, Hongkong
CHALK—220 sks, Mount Ida, Antwerp
1,100 sks, Mount Ida, Antwerp (for Oakland)
CRUDE—450 tons, Oregon, Dunkirk (for Oakland)
CHEMICALS—500 sks, Este, Bremen
100 sks, Wilson & George Meyer & Co, Este, Hamburg
500 sks, Wilson & George Meyer & Co, Este, Bremen (for Oakland)
CLAY, BALL—60 sks, Delftdijk, Rotterdam
CLOVES—25 sks, President Cleveland, Hongkong
COCOA BEANS—100 sks, Henry W Peabody & Co, President Cleveland, Colombo
100 sks, H M Newhall & Co, President Cleveland, Colombo
COCONUT, DESIC—3,475 sks, J E Lowden, President Cleveland, Manila
583 pkgs, General Foods Sales Corp, President Cleveland, Manila
465 cs, Durkee Famous Foods, President Cleveland, Manila
800 cs, Dodwell & Co, President Cleveland, Manila
52 cs, M S Cowen Co, President Cleveland, Manila
900 cs, Wood & Selick, President Cleveland, Manila
COPRA—601 tons, El Dorado Oil Works, Astoria, Romblon (for Oakland)
1,000 tons, El Dorado Oil Works, Astoria, Gasan (for Oakland)
300 tons, El Dorado Oil Works, Astoria, Macalelon (for Oakland)
415 tons, El Dorado Oil Works, Astoria, Masbate (for Oakland)
400 tons, El Dorado Oil Works, Astoria, Siain (for Oakland)
450 tons, El Dorado Oil Works, Astoria, Jolo (for Oakland)
540 tons, Admiral Halstead, Guam
250 tons, Admiral Halstead, Manila
350 tons, El Dorado Oil Works, Admiral Halstead, Legaspi (for Oakland)
420 tons, El Dorado Oil Works, Granville, Cotabato (for Oakland)
MEAL—7,280 sks, Taylor Milling Corp, Granville, Manila (for Oakland)
CUTTLEFISH BONE—200 cs, President Van Buren, Marseilles
DERRIS ROOT—8 bls, Dodwell & Co, President Cleveland, Manila
EPHEDRA—62 bls, Arnhold & Co, President Cleveland, Shanghai
FILTER COMPOUND—25 bls, A Gusmer, Este, Hamburg
FLINT PEBBLES—200 sks, Erria, Copenhagen
250 sks, Balfour, Guthrie & Co, Erria, Copenhagen (for Oakland)
GINGER ROOT—84 pkgs, President Cleveland, Hongkong
11 sks, Barclays Bank, Erria, Kingston
GLASS, SHEET—90 cs, Oregon, Antwerp (for Oakland)
WINDOW—63 cs, Victor Portrait Co, Este, Antwerp (for Oakland)
6 cs, Mount Ida, Antwerp
2 cs, Bank of California, Mount Ida, Antwerp
300 cs, Oregon, Antwerp (for Oakland)
GUM, COPAL—70 sks, France, Campbell & Darling, President Cleveland, Manila
98 sks, Michael Fried, President Cleveland, Manila
345 sks, Stroock & Wittenberg Corpn, President Cleveland, Manila
ELEMI—35 cs, Bengalen, Manila
INK—3 cs, Chew Chong Tai, President Cleveland, Hongkong
15 cs, Columbia Co, President Cleveland, Hongkong
KELP MEAL—240 sks, Oakland Food Products Co, Heiyo, Yokohama
LARD SUBSTITUTE—500 cns, David B Berelson, President Cleveland, Manila
LEAVES, DRY—12 sks, President Van Buren, Marseilles
MEDICINAL PREPS—1 cs, Tambara & Co, Kimikawa, Yokohama
3 cs, Fung Chong, President Cleveland, Hongkong
1 cs, Hing Wah Tai & Howard Chang, President Cleveland, Hongkong
17 cs, 19 sks, Oy Wo Tong, President Cleveland, Hongkong
4 pkgs, Man Fook Hong, President Cleveland, Hongkong
2 cs, Ti Hang Lung & Co, President Cleveland, Hongkong
22 pkgs, Tong Chun Gauk, President Cleveland, Hongkong
2 cs, Kwong Yick, President Cleveland, Hongkong
2 cs, Hip Hing Co, President Cleveland, Hongkong
4 cs, Wing Hing Chong, President Cleveland, Hongkong
MILLET SEED—300 sks, S L Jones & Co, Kimikawa, Kobe
OIL, CHINAWOOD—25 dms, Henry W Peabody & Co, Tatuta, Hongkong
100 tons, Bank of California, N A, Dagmar Salen, Hongkong
129 dms, Pacific Vegetable Oil Corpn, President Cleveland, Hongkong
100 dms, D Hecht & Co, President Cleveland, Hongkong
COCONUT, CRUDE—575 tons, Philippine Refining Corpn of N Y, Bengalen, Manila
COTTONSEED—292 tons, Mitsui & Co, Nako, Tientsin
FISH, HARD—1,000 sks, Mitsubishi Shoji Kaisha, Kimikawa, Kobe
LUBRICATING—50 dms, Shell Oil Co, Este, Hamburg
OLIVE—50 dms, Mezzetta & Co, President Van Buren, Genoa
PALM—202 tons, Banque Belge pour l'Etranger (Overseas) Ltd, Granville, Belawan
PEANUT — 50 cs, Fung Chong, President Cleveland, Hongkong
55 cs, Yee Wo & Co, President Cleveland, Hongkong
RAPESEED, CRUDE—200 dms, Mitsui & Co, Heiyo, Yokkaiti
PAPRIKA—75 sks, S H Tyler & Son, Este, Hamburg
125 sks, A Schilling & Co, Este, Hamburg
PEANUT MEAL—3,000 sks, Mitsubishi Shoji Kaisha, Kimikawa, Tsingtao
3,000 sks, S L Jones & Co, Tatuta, Tsingtao
PEANUTS, SHELLED—200 sks, S L Jones & Co, President Cleveland, Manila
PEATMOSS—250 bls, Erria, Copenhagen
1,000 bls, Citizens National Trust & Savings Bank, Errie, Copenhagen (for Oakland)
480 bls, Wilson & George Meyer & Co, Erria, Copenhagen (for Oakland)
1,689 bls, Domestic & Foreign Discount Corpn, Seattle, Hamburg
100 bls, Peat Import Corpn, Este, Bremen
2,800 bls, Peat Import Corpn, Este, Bremen (for Oakland)
1,000 bls, Citizens National Trust & Savings Bank, Este, Bremen (for Oakland)
PEPPER—55 sks, Delftdijk, London
PERILLA SEED—6,670 sks, Mitsubishi Shoji Kaisha, Kimikawa, Dairen
3,345 sks, Mitsui & Co, Kimikawa, Dairen
POLISH, LIQUID—2 cs, Delftdijk, London
PASTE—4 cs, Harper, Robinson & Co, Delftdijk, London
POPPYSEED—50 sks, Delftdijk, Rotterdam
POTASH NITRATE—34 bls, Oregon, Havre
SESAME SEED—20 csks, Pacific Trading Co, Kimikawa, Kobe
250 sks, S L Jones & Co, President Cleveland, Hongkong
SHELLAC—50 sks, Bengalen, Calcutta
SILVERSAND—575 tons, Balfour, Guthrie & Co, Oregon, Antwerp (for Oakland)
SOAP—2 cs, Delftdijk, Rotterdam
SODA NITRATE—1,994,032 lbs, Chilean Nitrate Sales Corpn, Coya, Tocopilla (for Oakland)
SILICOFLUORIDE—50 sks, Este, Bremen
STARCH—50 cs, Sang Wo, President Cleveland, Hongkong
TALLOW—75 dms, Willits & Co, Inc, Rosebank, Victoria
TANKAGE—5'0 sks, Bengalen, Calcutta
TAPIOCA FLOUR—50 cs, Ti Hang Lung & Co, President Cleveland, Hongkong
TARTAR—125 sks, Erria, Southampton
179 sks, Bank of California, President Van Buren, Marseilles
135 sks, President Van Buren, Marseilles
TOILET PREPS—3 cs, Hinimoto Co, Kimikawa, Yokohama
1 crt, J de la Rama, Bengalen, Manila
3 crts, American Express Co, Bengalen, Manila
1 cs, Mutual Supply Co, Tatsuta, Kobe
1 cs, S Ishimitsu Co, Tatuta, Yokohama
WAX, MONTAN—255 bgs, Strohmeyer & Arpe Co, Este, Hamburg (for Oakland)
VEGETABLE—10 cs, Pacific Trading Co, Kimikawa, Kobe
ZINC CHLORATE, POWD—60 dms, L H Butcher Co, Este, Antwerp

Savannah Imports

GYPSUM ROCK—2,600 tons, Karlander, Dingwall
2,475 tons, Cezina, Dingwall
POTASH MURIATE — quantity, Shickshinny, Antwerp
SULPHATE—21,000 bgs, Shickshinny, Antwerp
SALTCAKE—2,060,601 kilos, Welheim, Antwerp

Seattle Imports

ACID, CITRIC—8 cs, Mauna Ala, Honolulu
CRESYLIC—360 dms, Salacia, Liverpool
CHEMICALS—10 dms, Oakland, Hamburg
35 cks, Royal Bank of Canada, Oakland, Antwerp
MOLASSES—600 tons, Mauna Ala, Hilo
812 tons, Mauna Loa, Honuapo
OIL, CODLIVER—75 dms, International Shipping Co, Abraham Lincoln, Oslo
LUBRICATING—65 dms, Standard Oil Co of California, Oakland, Antwerp
PEATMOSS—250 bls, Wilson & George Meyer & Co, Abraham Lincoln, Oslo
TANKAGE—181 sks, Lowther Castle, Buenos Aires
TAPIOCA, PEARL—11 sks, Bank of California, N A, Hoegh Silverstar, Batavia
SEED—54 sks, Hoegh Silverstar, Cheribon

Tacoma Imports

CHEMICALS—1,000 sks, Industrial Sales Corp, Oakland, Antwerp
PAPRIKA—20 sks, Nalleys, Inc, Oakland, Hamburg
PEATMOSS—150 bls, Wilson & George Mayer & Co, Abraham Lincoln, Oslo

Tampa Imports

AMMONIATED PHOSPHATE — 2,000 bgs, Maasdam, Antwerp
COCOA MEAL—1,539 sx, Maasdam, Rotterdam
GYPSUM, CRUSHED CRUDE—3,532 tons, Christian J Kampmann, Little Narrows
SOAP and PERFUME—8 bbls, 2 cs, Cuba, Havana
TOILET PREPS—3 ctns, Cuba, Havana

Exports from U.S. Ports

New York Exports

Clearance Dates

Amapala, July 21; American Merchant, July 28; Anita, July 28; Augvald, July 25; Balzac, July 29; Barbarigo, July 28; Borinquen, July 6; Bremen, July 24; Britannic, July 22; Buenos Aires, July 28; California, July 24; Capulin, July 21; City of Lille, July 17; City of Perth, July 21; Coamo, July 13; Donald McKay, July 1; Conpaco, July 27; Esso Baltimore, July 24; Excambion, July 21; Exchester, July 27; G T D, July 26; Gitano, July 26; Gdynia, July 26; Gripsholm, July 10; Ile de France, July 22; Kaimoku, July 27; Lancastria, July 27; Leif, July 21; Manhattan, July 24; Monterey, July 20; Navemar, July 26; New Toronto, July 15; Noordam, July 21; President Roosevelt, July 19; Quirigua, July 26; Rex, July 21; Richmond Castle, July 22; San Jacinto, July 8; Santa Elena, July 20; Saturnia, July 28; Scythia, July 21; Steel Navigator, July 8; Swinburne, July 21; Tunaholm, July 21; Veragua, July 22; Westernland, July 22; Zacapa, July 13

ACETONE—2,905 lbs, Donald McKay, Helsingfors
ACID, DRY—2,330 lbs, American Merchant, London
CHROMIC FLAKE — 23,923 lbs, Capulin, Glasgow
CITRIC—108 lbs, Lancastria, Nassau
MURIATIC—3,800 lbs, Quirigua, Kingston; 3,860 lbs, Zacapa, Kingston; 12,490 lbs, San Jacinto, Ponce
ALCOHOL, DENAT—2,750 gls, Quirigua, Cartagena
AMMONIA, ANHYD — 5,717 lbs, Quirigua, Kingston
ARGYROL—730 lbs, Britannic, London
ASPHALT—105,639 lbs, Noordam, Rotterdam; 126,810 lbs, Richmond Castle, Port Elizabeth; (City of Perth) 45,212 lbs, Sydney; 22,140 lbs, Sydney; 11,454 lbs. Scythia, Liverpool; 13,204 lbs, San Jacinto, San Juan
LIQUID—33,561 lbs, New Amsterdam, Amsterdam; 56,450 lbs, Noordam, Rotterdam; 5,550 lbs, Scythia, Liverpool; (Manhattan) 62,243 lbs, Hamburg; 23,888 lbs, Havre; 38,060 lbs, Exchester, Galatz; (Gitano) 18,012 lbs, Hull; 18,040 lbs, Newcastle; 7,024 lbs, Westernland, Antwerp; 59,694 lbs, Donald McKay, Helsingfors
SOLID—11,571 lbs, Britannic, London
BLUE, ULTRAMARINE—432 lbs, Santa Barbara. San Juan del Sur
BUTYL ACETATE—5,886 lbs, City of Perth, Melbourne
CALCIUM PHOSPHATE—3,410 lbs, Britannic, London
CARBON TETRACHLORIDE—2,257 lbs, Swinburne, Santos
CASCARA SAGRADA—1,606 lbs, Rex, Genoa
CHALK, PRECIP—2,020 lbs, Noordam, Amsterdam
CHEMICALS—1,075 lbs, Capulin, Manchester; 65,492 lbs, Scythia, Liverpool; 5,562 lbs, President Roosevelt, Havre; 2,978 lbs, Donald McKay, Gothenburg
CHROME SULPHATE—11,176 lbs, Balzac, Bahia
CLAY—20,000 lbs, Hamburg, Hamburg; 22,400 lbs, Westernland, Antwerp; 271,200 lbs, Gitano, Hull/London
COALTAR INTERMEDIATES — 3,533 lbs, Noordam, Rotterdam
COLOR, DRY—12,168 lbs, Veragua, Limon
CORN FLOUR—1,475 lbs, Zacapa, Puntarenas
SUGAR—1,173 lbs, Veragua, Havana; 30,450 lbs, American Merchant, London
SYRUP—75,050 lbs, Excambion, Alexandria; 23,213 lbs, Tunaholm, Wiborg; 2,342 lbs. Quirigua, Kingston; 12,987 lbs, Gripsholm, Gothenburg
DEXTRIN, CORN—22,560 lbs, City of Perth. Sydney; 5,680 lbs, Gripsholm, Gothenburg
DICHLORODIFLUOROMETHANE — 3,240 lbs, City of Perth, Sydney
DIETHYLENEGLYCOL — 5,500 lbs, President Roosevelt, Havre
DIPHENYLOXIDE—1,284 lbs, Britannic, London
DYES—5,842 lbs, California, Glasgow
ETHYL CELLULOSE — 566 lbs, Britannic, London
CHLORIDE — 3,610 lbs, Steel Navigator, Haiphong
EXTRACT—11,398 lbs, American Merchant, London
FERTILIZER—8,080 lbs, Veragua, Limon; 3,052 lbs, New Toronto, Port Harcourt
FULLER'S EARTH — 20,250 lbs, Tunaholm, Wastervik
FUNGICIDE—43,870 lbs, Gripsholm, Gothenburg
GASOLINE—11,000 gls, New Toronto, Matadi
AVIATION — 61,875 gls, Richmond Castle, East London
GELATIN—410 lbs, Veragua, Havana
GLUCOSE—14,769 lbs, Capulin, Manchester
SOLID—1,241 lbs, City of Perth, Adelaide
GLUE, DRY—334 lbs, Borinquen, San Juan; 2,009 lbs, Veragua, Matanzas; 1,431 lbs, Nieuw Amsterdam, Amsterdam
GRAPHITE—7,595 lbs, Veragua, Sagua
GREASE, LUBRIC — 4,667 lbs, California, Glasgow; 2,866 lbs, Noordam, Rotterdam; (Excambion) 10,612 lbs, Marseilles 4,120 lbs, Alexandria; 49,711 lbs, Capulin, Manchester; (Richmond Castle) 9,603 lbs, Luderitz Bay; 304 lbs, Mossel Bay; 2,712 lbs, Capetown; 11,106 lbs, East London; 36,422 lbs, Durban; (Tunaholm) 2,876 lbs, Gothenburg; 1,262 lbs, Helsingborg; 129,245 lbs, Rex, Genoa; (City of Perth) 14,886 lbs, Brisbane; 24,475 lbs, Sydney; 29,615 lbs, Melbourne; 38,812 lbs, Adelaide; 17,091 lbs, Swinburne, Montevideo; 98,080 lbs, City of Lille, Shanghai; 26,880 lbs, Champlain, Havre; 2,300 lbs, Balzac, Pernambuco; 774 lbs, Buenos Aires, Santos; 1,530 lbs, Anita, Montevideo; 62,151 lbs, Britannic, London; 4,455 lbs, Exchester, Piraeus; 26,015 lbs, Gitano, Hull; (Donald McKay) 1,411 lbs, Gothenburg; 464 lbs, Stockholm 6,640 lbs, Abo; 8,918 lbs, Tallinn; 49,985 lbs, Barbarigo, Fiume; 31,270 lbs, Steel Navigator, Saigon; (New Toronto) 11,520 lbs, Las Palmas; 4,719 lbs, Dakar; 1,808 lbs, Lagos; 1,512 lbs, Libreville 906 lbs, Boma 1,924 lbs, Matadi
INK, PRINTING — 14,414 lbs, Swinburne, Buenos Aires
INSECTICIDE—1,343 lbs, Donald McKay, Oslo
AGRICULTURAL — 44,215 lbs, Donald McKay, Stockholm
IODINE, CRUDE—1,637 lbs, American Merchant, London
IRON OXIDE—12,400 lbs, New Amsterdam, Amsterdam
LACQUER—1,551 lbs, Noordam, Rotterdam
THINNER—2,750 gls, Bremen, Bremen
LARD—71,065 lbs, Capulin, Manchester; (Tunaholm) 3,100 lbs, Stockholm; 16,780 lbs, Gothenburg; 13,800 lbs, Amapala, Santiago; 180,008 lbs, Scythia, Liverpool; 37,800 lbs, Veragua, Havana; 174,288 lbs, American Merchant, London; 262,100 lbs, Britannic, London; (Gitano) 331,500 lbs, Hull; 81,250 lbs, Newcastle; 14,150 lbs, Aberdeen; 21,725 lbs, Westernland, Antwerp
LEAD, WHITE—59,148 lbs, Nieuw Amsterdam, Amsterdam; 6,270 lbs, Coamo, San Juan
WHITE, SUBLIMED—5,935 lbs, Gripsholm, Gothenburg
LEAVES—1,084 lbs, Manhattan, Hamburg
LINSEED CAKE — 225,772 lbs, President Roosevelt, Havre
LITHOPONE—21,500 lbs, Capulin, Manchester; 21,500 lbs, Britannic, London; 6,720 lbs, Gitano, Newcastle
MAGNESIA CHLORIDE—24,098 lbs, American Merchant, London
METHANOL—(City of Perth) 2,420 gls, Sydney; 1,375 gls, Melbourne
NAPHTHA—1,540 gls, Richmond Castle, East London; (New Toronto) 11,000 gls, Dakar; 31,945 gls, Marshall; 5,000 gls, Point Noire
OIL, CASTOR — 542 lbs, Quirigua, Barranquilla; 2,498 lbs, Coamo, San Juan
DIESEL—(New Toronto) 11,000 gls, Dakar; 8,250 gls, Winnebah; 3,300 gls. Cotonou; 11,000 gls, Apapa; 550 gls, Libreville
ESSENTIAL—1,086 lbs, Veragua, Havana
FLOTATION—6,600 gls, City of Perth, Melbourne
FUEL—3,000 gls, Donpaco, Quebec
LEMON—816 lbs, Noordam, Amsterdam
LUBRICATING—880 gls, New Amsterdam, Rotterdam; 1,500 tons, Esso Baltimore, Rouen; (Noordam) 16,750 gls, Rotterdam; 7,592 gls, Amsterdam; (Richmond Castle) 100 gls, Luderitz Bay; 925 gls, Mossel Bay; 300 gls, Walvis Bay; 495 gls, Port Elizabeth; 2,420 gls, Durban; (Santa Barbara) 2,500 gls, Panama; 1,100 gls, Pimentel; 2,065 gls, Iquique; 39,275 gls, Valparaiso; (Tunaholm) 660 gls, Helsingborg; 935 gls, Malmo; 8,480 gls, Stockholm; 275 gls, Tallinn; 1,540 gls, Amapala, Kingston; (City of Perth) 67,100 gls, Brisbane; 99,495 gls, Sydney; 154,825 gls, Sydney; 61,105 gls, Melbourne; 167,475 gls, Adelaide; 4,620 gls, Scythia, Liverpool; (City of Lille) 1,000 gls, Manila; 825 gls, Shanghai; (President Roosevelt) 210 gls, Hamburg; 21,000 gls, Havre; 9,875 gls, Santa Elena, La Guaira; 29,150 gls, Gdynia, Porto Alegre; (Champlain) 1,470 gls, Rouen; 8,820 gls, Bordeaux; 1,260 gls, Dunkirk; 18,890 gls, Havre; (Buenos Aires) 10,950 gls, Rio de Janeiro; 7,700 gls, Santos; 43,050 gls, Hamburg, Hamburg; 9,790 gls, Anita, Montevideo; 1,485 gls, Navemar, Bilbao; 16,757 gls, American Merchant, London; 4,765 gls, San Jacinto, San Juan; 19,085 gls, Britannic, London; 7,150 gls, Exchester, Piraeus; (Gitano) 6,444 gls, Hull; 10,216 gls, Newcastle; 1,650 gls, Aberdeen; 10,071 gls, Westernland, Antwerp; (Gripsholm) 3,685 gls, Gothenburg; 90,640 gls, Stockholm; (Donald McKay) 275 gls, Oslo; 6,850 gls, Copenhagen; 1,850 gls, Gdynia; 3,795 gls, Stockholm; 550 gls, Helsingfors; 1,100 gls, Abo; 275 gls, Viipuri; 330 gls, Tallinn; (Barbarigo) 4,956 gls, Genoa; 297,344 gls, Fiume; 15,792 gls, Trieste; (Saturnia) 1,050 gls, Lisbon; 2,640 gls, Venice; 6,312 gls, Trieste; (Steel Navigator) 1,100 gls, Haiphong; 26,095 gls, Saigon; (New Toronto) 2,240 gls, Santa Cruz; 7,225 gls, Las Palmas; 1,300 gls, Bimako; 2,270 gls, Freetown; 4,280 gls, Port Boue; 400 gls, Grand Bassan; 4,895 gls, Takoradi; 1,650 gls, Winnebah; 300 gls, Accra; 2,640 gls, Marshall; 1,925 gls, Lagos; 3,630 gls, Apapa; 1,200 gls, Port Harcourt; 110 gls, Duala; 150 gls, Libreville; 5,125 gls, Point Noire; 825 gls, Boma; 21,050 gls, Matadi
OLEO—25,360 lbs, Noordam, Rotterdam; (Tunaholm) 47,114 lbs, Gothenburg; 14,172 lbs, Stockholm; 36,100 lbs, Scythia, Liverpool
PEPPERMINT — 4,400 lbs, American Merchant, London; 315 lbs, Donald McKay, Gothenburg
PINE—(New Toronto) 1,480 lbs, Grand Bassam; 2,860 lbs, Takoradi
SULPHONATED — 11,341 lbs, Excambion, Marseilles; 4,893 lbs, Capulin, Manchester; 35,027 lbs, Scythia, Liverpool
TRANSFORMER — 550 gls, New Toronto, Takoradi
VALVE—3,300 gls, Monterey, Vera Cruz
PAINT—18,580 lbs, Santa Elena, Cartagena; (Donald McKay) 9,465 lbs, Copenhagen; 26,088 lbs, Stockholm
THINNER—1,925 gls, American Merchant, London
PARAFFIN—22,695 lbs, Capulin, Manchester; (Santa Barbara) 45,208 lbs, La Libertad; 154,206 lbs, Buenaventura; 111,000 lbs, Rex, Genoa; 22,379 lbs, Scythia, Liverpool; 226,840 lbs. Santa Elena, Cartagena; 14,813 lbs, Veragua, Limon; 69,901 lbs, Zacapa, Mollendo; 22,351 lbs, Gdynia, Rio Grande; 226,270 lbs, Hamburg, Hamburg; (Navemar) 1,356,000 lbs, Vigo; 1,356,000 lbs, Gijon; 904,000 lbs, Santander; 904,000 lbs, Bilbao; 45,280 lbs, Exchester, Malta; 33,428 lbs, Westernland, Antwerp; (Barbarigo) 1,119,785 lbs, Genoa; 8,897 lbs, Leghorn; 192,415 lbs, Naples
SCALE — (Noordam) 9,625 lbs, Rotterdam; 10,766 lbs, Amsterdam
PETROLATUM, MED—5,520 lbs, Richmond Castle, Durban; 42,838 lbs. Capulin, Dublin; 75,302 lbs, Britannic, London
PETROLEUM, REFD—(San Jacinto) 15,000 gls, San Juan; 2,000 gls, Aguadilla; (Richmond Castle) 15,000 gls, Luderitz Bay; 30,000 gls, Walvis Bay; (New Toronto) 1,500 gls, Marshall; 750 gls, Libreville; 2,000 gls, Port Gentil; 4,000 gls, Boma; 12,500 gls, Matadi
POTASH BROMATE—2,640 lbs, Noordam, Rotterdam
CARBONATE—43,267 lbs, G T D, Montreal
XANTHATE—3,362 lbs, Santa Barbara, Callao

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RESIN—5,370 lbs, Donald McKay, Copenhagen
SYNTHETIC—5,531 lbs, American Merchant, London; 9,610 lbs, Champlain, Havre; 8,648 lbs, Manhattan, Havre; 1,966 lbs, President Roosevelt, Havre
ROSIN—4,971 lbs, Tunaholm, Gothenburg
SOAP—(San Jacinto) 6,466 lbs, Aguadilla; 16,800 lbs, Mayaguez
LAUNDRY—20,700 lbs, Coamo, San Juan
TOILET — 37,400 lbs, Nieuw Amsterdam, Amsterdam; 37,400 lbs, Noordam, Amsterdam
SODA ASH—(Augvald) 45,212 lbs, Rio de Janeiro; 448,820 lbs, Buenos Aires; 5,038 lbs, Leif, Ciudad; 44,620 lbs, Santa Elena, Barranquilla; (Zacapa) 16,300 lbs, Porto Armuelles; 2,220 lbs, Corinto; 53,420 lbs, Kaimoku, Honolulu
BICARBONATE—19,515 lbs, City of Lille, Manila; 10,100 lbs, Veragua, Limon; 4,240 lbs, Zacapa, Corinto; 48,012 lbs, Steel Navigator, Haiphong
BICHROMATE — 6,817 lbs, Balzac, Pernambuco
BROMIDE—1,320 lbs, Gripsholm, Gothenburg
CAUSTIC—15,103 lbs, Santa Barbara, Guayaquil; (Swinburne) 251,125 lbs, Rio Janeiro; 143,499 lbs, Santos; 84,060 lbs, Augvald, Santos; 17,936 lbs, Leif, Ciudad; 102,066 lbs, Monterey, Vera Cruz; (Zacapa) 7,170 lbs, Corinto; 10,770 lbs, Arica; 10,777 lbs, Balzac, Para; 76,116 lbs, Buenos Aires, Santos; 147,468 lbs, Anita, Rio Janeiro; 27,515 lbs, Kaimoku, Honolulu
CYANIDE—(Santa Barbara) 9,012 lbs, Buenaventura; 14,710 lbs, Callao
PHOSPHATE TRI—44,112 lbs, Gitano, Newcastle
SULPHITE, ANHYDROUS, TECH — 35,027 lbs, Scythia, Liverpool
STARCH—2,424 lbs, Britannic, London
CORN—11,297 lbs, Excambion, Beirut; (City of Lille) 4,815 lbs, Manila; 3,635 lbs, Hongkong; 460 lbs, Zacapa, Porto Armuelles; 294 lbs, Quirigua, Kingston; 14,100 lbs, Gitano, Hull; 32,430 lbs, Gripsholm, Gothenburg
TALC—100,800 lbs, Scythia, Liverpool; 28,480 lbs, Gitano, Hull; 5,778 lbs, Britannic, London
TANNING EXTRACT—27,115 lbs, City of Perth, Sydney
TOBACCO EXTRACT—7,259 lbs, Tunaholm, Gothenburg
TOILET PREPS—37,400 lbs, Noordam, Amsterdam
TRIPHENYL PHOSPHATE — 13,243 lbs, Scythia, Liverpool
TURPENTINE—2,500 gls, Swinburne, Buenos Aires
VARNISH—1,929 lbs, Veragua, Havana; 2,436 lbs, Gripsholm, Gothenburg
ZINC DUST—59,060 lbs, New Toronto, Takoradi
OXIDE—2,020 lbs, San Jacinto, San Juan

Baltimore Exports

Clearance Dates

Anniston City, July 31; City of Flint, July 27; Goyo, July 28; Hjelmaren, July 29; Maidan, July 29; Mormacstar, July 29; Pipestone County, July 29; Rhexenor, July 31; San Simeon, July 29
ACID, CHROMIC—(City of Flint) 11,220 lbs, Manchester; 33,600 lbs, Glasgow

AMMONIA SULPHATE—(Anniston City) 738 tons, Belawan; 601 tons, Cheribon; 712 tons, Semarang; 150 tons, Sourabaya
AMYL ACETATE—2,364 lbs, Mormacstar, Rio Janeiro
ASPHALT, LIQUID—1,500 lbs, Rhexenor, Semarang
SOLID—218,795 lbs, City of Flint, Liverpool
CADMIUM LITHOPONE—6,944 lbs, Maidan, London
CORN SUGAR—100,000 lbs, Maidan, London
DENTAL COMP—1,060 lbs, Pipestone County, Paris
INSECTICIDE—(San Simeon) 8,440 lbs, Colombia; 292 lbs, Fort Randolph
IRON SAND—(Hjelmaren) 22,400 lbs, Malmo; 22,400 lbs, Norrkoening; 22,400 lbs, Visby
LEAD ARSENATE—2,000 lbs, Mormacstar, Montevideo
LIME, QUICK—29,960 lbs, San Simeon, Cristobal
OIL, LUBRIC—375 bbls, Maidan, London
PARAFFIN—133,946 lbs, Goyo Maru, Tsingtau
PETROLATUM—72,000 lbs, Rhexenor, Batavia
POLISH—1,146 lbs, Hjelmaren, Oslo
POTASH BICHROMATE—11,200 lbs, City of Flint, Manchester; 11,023 lbs, San Simeon, Chile
PUTTY—5,000 lbs, San Simeon, Panama
SODA ASH—56,000 lbs, Anniston City, Manila
BICHROMATE—(City of Flint) 224,000 lbs, Manchester; 112,000 lbs, Glasgow
CAUSTIC—350,000 lbs, Mormacstar, Buenos Aires
NITRATE—120 tons, Goyo, Osaka
SOYBEAN FLOUR—6,250 lbs, Hjelmaren, Oslo
STARCH—11,000 lbs, Hjelmaren, Copenhagen
SUPERPHOSPHATE—2,200 lbs, San Simeon, Costa Rica
TALLOW—12,171 lbs, San Simeon, Nicaragua
TANNING EXTRACT—4,480 lbs, San Simeon, Peru
TITANIUM DIOXIDE—3,000 lbs, Mormacstar, Buenos Aires

Beaumont Exports

Clearance Dates

Genevieve Lykes, July 28; President Vogue, July 28

HELIUM—20 cyls, Genevieve Lykes, San Juan
PETROLEUM, CRUDE—104,562 bbls, President Vogue, Berre

Boston Exports

Clearance Dates

American Farmer, July 30; Black Gull, July 31; Capillo, July 28; Evangeline, July 31; Laconia, August 1; Nova Scotia, July 31; Saint John, August 4; San Gil, July 28; Yarmouth, July 30, August 1, 3, 6

BAKING POWDER—47 pls, 30 bxs, 8 crts, 4,280 lbs, Nova Scotia, St John's, N F
BLUE, LAUNDRY—1 cs, 60 lbs, Saint John, Halifax
BRISTLES—27 cs, 1 crtn, 3,120 lbs, Yarmouth, St John, N B
CEMENT, ABRASIVE, POLISHING—36 dms, 12,960 lbs, Laconia, Liverpool
CAN—25 dms, 1,500 lbs, Capillo, London
RUBBER—1 dm, 38 lbs, Capillo, Leicester; (San Gil) 10 dms, 6 cs, 100 gls, Panama; 5 cs, 2 dms, 156 gls, San Gil, Havana
DISINFECTANT—3 cs, 1 bbl, Nova Scotia, St John's, N F
DRESSING, LEATHER—2 dms, 708 lbs, Capillo, Littlesborough; 11 bbls, 572 gls, Black Gull, Wiltz; 3 bbls, 7 half bbls, 5 bxs, 377 gls, San Gil, Havana; 3 bxs, 53 lbs, Laconia, Liverpool; 1 dm, 10 gls, Nova Scotia, St John's, N F; 3 crtns, Yarmouth, St John, N B
SHOE—5 cs, 8 kgs, 769 lbs, Laconia, Port Elizabeth
WATERPROOF, OIL—3 cs, 72 lbs, Nova Scotia, St John's, N F
FILLER, CORK—25 pls, 575 lbs, San Gil, Havana
FINISH, LEATHER—3 bbls, 150 gls, San Gil, Santa Clara
FLUX—2 dms, 270 lbs, Capillo, Oslo; 40 dms, 5,400 lbs, Black Gull, Rotterdam
GREASE, LUBRIC—8 cs, 24 dms, 3 bbls, 4,070 lbs, Laconia, Liverpool
INK, MARKING—1 cs, 2 lbs, San Gil, Havana
WRITING—12 crtns, 240 lbs, San Gil, Havana
INSECTICIDE—1 dm, 55 gls, San Gil, Havana
LACQUER—36 pls, 6 dms, 490 gls, Black Gull, Wiltz
LIMESTONE, GRD—400 bgs, 20,000 lbs, San Gil, Havana
LINING COMPOUND—25 dms, 125 gls, Capillo, Oslo; 8 dms, 424 gls, Black Gull, Rotterdam
MEDICINAL PREPS—2 cs, Nova Scotia, St John's, N F
MICA, GRD—112 bgs, 11,200 lbs, Amercian Farmer, London
MUCILAGE—3 crtns, 42 lbs, San Gil, Havana
OIL, COALTAR—112 dms, 48,760 lbs, San Gil, Havana
CLOCK—1 bx, 21 lbs, Laconia, London
FISH—8 bbls, 3,423 lbs, San Gil, Havana
LUBRICATING—10 cs, 120 gls, Capillo, Hamburg; (Yarmouth) 10 dms, St John, N B; 5 crtns, 30 gls, Yarmouth, N S; 10 bbls, 563 gls, Laconia, Madras; 1 cs, 55 lbs, Nova Scotia, St John's, N F
PAINT—3 dms, 1 bx, 16 gls, Evangeline, Yarmouth, N S; 21 dms, 4 crtns, 16 lbs, Nova Scotia, St John's, N F
COPPER—22 cs, 199 gls, San Gil, Havana; 3 dms, 40 gls, Yarmouth, St John, N B
PASTE, ADHES—1 cs, 87 lbs, Capillo, Hemel Hempstead
PEANUTS—4 bgs, 362 lbs, Evangeline, Lunenburg, N S
PETROLATUM—5 crtns, 67 lbs, Saint John, Yarmouth, N S
PHENOL—74 dms, 33,300 lbs, Capillo, Hamburg; 74 dms, 33,300 lbs, Black Gull, Antwerp
PIGMENT, MINERAL, DRY—10 bgs, 1,000 lbs, Yarmouth, St John, N B
POLISH—4 cs, 16 gls, San Gil, Panama; 1 cs, 12 gls, San Gil, San Jose; 1 bbl, and 2 cs, 879 lbs, San Gil, Havana; 15 cs, 1,275 lbs, Laconia, Leicester; 1 ctn, 55 cs, 2,022 lbs, Yarmouth, St John, N B
RESIN, SYNTH—1 crtn, 30 lbs, Yarmouth, St John, N B
SOAP—1 cs, 29 lbs, Nova Scotia, St John's, N F
PASTE—50 crtns, 1,500 lbs, Nova Scotia, St John's, N F
SODA BISULPHITE—10 dms, 4,300 lbs, San Gil, Havana
STAIN—3 cs, 30 gls, San Gil, Panama
TALC—1 cs, 25 lbs, Nova Scotia, St John's, N F
TANNING EXTRACT—2 bbls, 2 hlf bbls, 3 pls, 180 gls, San Gil, Havana
VARNISH—5 cs, 31 gls, Nova Scotia, St John's, N F
WAX, SHOE—3 cs, 1 bbl, 432 lbs, San Gil, Havana

Corpus Christi Exports

Clearance Dates

Bacicin Padre, July 19; Bente Maersk, July 24; Caroline Maersk, July 28; Kalmia, July 26; Lubrafol, July 24; Minister Wedel, July 22

OIL, FUEL—55,702 bbls, Bacicin Padre, Gibraltar; 3,715 bbls, Bente Maersk, Fiume; 38,598 bbls, Lubrafol, Copenhagen; 23,508 bbls, Caroline Maersk, Tyros
GAS—7,390 bbls, Minister Wedel, Flushing; 83,259 bbls, Kalmia, Curacao
PETROLEUM, CRUDE—44,272 bbls, Minister Wedel, Flushing; 62,976 bbls, Caroline Maersk, Tyros

Galveston Exports

Clearance Dates

Eglantine, August 2; Hybert, July 28; Maasdam, July 28; Marpesia, July 27; Mathias Stinnes, July 27; T J Williams, July 28

BLACK, CARBON—(Maasdam) 20 tons, London; 2 tons, Antwerp; 2 tons, Eglantine, Liverpool
CONCENTRATES—121 tons, Eglantine, Liverpool
MOLYBDENITE—564 tons, Maasdam, Rotterdam
OIL, GAS—10,920 tons, T J Williams, London
SULPHUR — 800 tons, Marpesia, Tampico; (Mathias Stinnes) 1,000 tons, Liverpool; 500 tons, Manchester; 215 tons, Maasdam, London; 25 tons, Hybert, Antwerp; 1,500 tons, Eglantine, Manchester

Houston Exports

Clearance Dates

America Press, July 27; Havsten, August 1; Hybert, July 29; Kunikawa, August 1; Lagaholm, July 29; Maasdam, July 27; Malvina, July 27; Motrix, July 27; Oscilla, July 27; Sildra, August 1; Skaraas, August 1

ASPHALT—5 dms, Lagaholm, Oslo; 35 tons, Hybert, Havre
BLACK, CARBON—(Maasdam) 11,847 bgs, 701 cs, London; 4,480 bgs, Antwerp; 150 cs, Rotterdam; 5,600 bgs, Hull; (Lagaholm) 61 cs, Oslo; 162 cs, 1,190 bgs, Gothenburg; 1,287 bgs, Gdynia; (Hybert) 4,344 bgs, 12 cs, Havre; 75 cs, Marseilles; 1,200 bgs, 140 cs, Antwerp; 448 bgs, Rotterdam; 734 cs, Hedrun, Gdynia; (Kunikawa) 100 tons, Yokohama; 20 tons, Osaka; 150 tons, Kobe
GASOLINE—5,400 tons, Skaraas, United Kingdom
GREASE, LUBRIC—10 bbls, Hybert, Antwerp
KEROSENE — (Skaraas) 3,100 tons, United Kingdom; 2,900 tons, Holland
OCTYLENES—2,600 tons, Skaraas, Holland
OIL—(American Press) 3 tons, Havana; 175 tons, Cristobal
GAS—8,300 tons, Oscilla, Aalesunf-Svolvaer-Hammerfest; 450 tons, Lagaholm, Malmo; 9,200 tons, Havsten, Hamburg
LUBRICATING—65 dms, Lagaholm, Copenhagen; 65 bbls, Hybert, Tunis via Havre; 18 tons, Kunikawa, Yokohama
PETROLEUM, CRUDE—63,589 bbls, Motrix, Cette; 11,800 tons, Malvina, Montreal; 3,000 tons, Sildra, Port de Bouc

Lake Charles Exports

Clearance Dates

Alexandria Hoegh, July 28; Caprella, July 30; Chester Valley, July 23

PETROLEUM, CRUDE—94,728 bbls, Alexandria Hoegh, Montreal; 91,793 bbls, Caprella, Montreal
ROSIN—25 dms, Chester Valley, Mayaguez

Los Angeles Exports

Clearance Dates

Albertolite, July 20; Daronia, July 21; Kansai, July 24; Monterey, July 19; Montevideo, July 24; New Zealand, July 22; Occidental, Roseband, July 18; Warwick, July 20; Yamaura, July 22

ACETONE—(Silverbelle) 30 dms, 10,500 lbs, Capetown; 10 dms, 3,500 lbs, Mossel Bay; 50 dms, 17,490 lbs, Port Elizabeth; 341 dms, 122,090 lbs, Yamaura, Yokahama
ACID, BORIC—54 bgs, 70 pkgs, 15,060 lbs, Monterey, Sydney
ALCOHOL, BUTYL—15 dms, 5,340 lbs, Rosebank, Victoria
ASPHALT, LIQ—10 dms, 4,480 lbs, Monterey, Sydney
BORATE—6,688 bgs, 1,229,690 lbs, Kansai, Osaka
BORAX—25 cs, 2,500 lbs, Silverbelle, Beira; 1,933 bgs, 321,000 lbs, Kansai, Kobe; 654 bgs, 73,280 lbs, Monterey, Sydney
BUTYL ACETATE—30 dms, 11,820 lbs, Rosebank, Victoria
CHEMICALS, PHOTO—170 lbs, Monterey, Sydney
CLAY, FILTER—200 lbs, Silverbelle, Johannesburg; 40 sx, 2,000 lbs, Rosebank, Vancouver; 33 cyls, 7,100 lbs, Monterey, Auckland
CLEANER—25 pls, 1,250 lbs, Monterey, Sydney
COLOR, DRY—100 lbs, Monterey, Sydney
DIATOMACEOUS EARTH—222 bgs, 22,200 lbs, Silverbelle, Durban
EPSOM SALT—1,500 lbs, Monterey, Raratonga
ETHYL KETONE—465 dms, 170,170 lbs, Yamaura, Yokohama; 10 dms, 3,660 lbs, Rosebank, Victoria
GASOLINE—(New Zealand) 23,400 bbls, Manila; 15,000 bbls, Cebu; 27,364 bbls, Shanghai; 3 dms, Albertolite, Ioco; 10,500 bbls, Occidental, Cristobal; 59,208 bbls, Daronia, Rotterdam
GLYCERIN—200 dms, 220,630 lbs, Rosebank, James Island
ISOBUTYL KETONE—2 dms, 710 lbs, Silverbelle, Capetown
KEROSENE—(New Zealand) 20,000 bbls, Manila; 10,000 bbls, Cebu; 14,788 bbls, Shanghai; 12,891 bbls, Warwick, Ioco; 35,024 bbls, Daronia, Rotterdam
METHYL CHLORIDE—4 cyls, 300 lbs, Rosebank, Vancouver
OIL, DIESEL—73,899 bbls, San Clemente, Shimotsu
LUBRICATING—(Monterey) 4 dms, 1,550 lbs, Suva; 94 pls, 90 dms, 23,240 lbs, Sydney
ORANGE—280 lbs, Monterey, Auckland
PECTIN, CITROUS—800 lbs, Monterey, Sydney
PETROLEUM, CRUDE—65,582 bbls, Albertolite, Ioco
GAS LIQ—30 cyls, 1,050 lbs, Rosebank, Vancouver; 33 cyls, 7,100 lbs, Monterey, Auckland
POTASH IODIDE—310 lbs, Roseband, Vancouver
ROSIN—1,200 lbs, Monterey, Sydney
GUM—1,800 lbs, Kansai, Yokahama
SODA CARBONATE—1,000 lbs, Monterey, Sydney
SULPHITE—2,400 lbs, Monterey, Sydney
SOLDERING FLUX, LIQ—1,400 lbs, Monterey, Auckland
SULPHUR DIOXIDE—9 cyls, 1,350 lbs, Rosebank, Vancouver
TOILET PREPS—(Monterey) 490 lbs, Suva; 360 lbs, Sydney

New Orleans Exports

Clearance Dates

Adellen, July 12; Alberta, July 10; Austvangen, July 1; Cefalu, June 27; Contessa, June 20; Dalvangen, July 15; Lramatist, June 27; Hybert, July 25; Leerdam, July 22; Monbaldo, July 5; Monrosa, July 19; Nishmaha, July 22; Recca, July 31; Spaarndam, July 15; Talisse, July 11

ACID—3 tons, Cefalu, Puerto Cabezas
ASPHALT—(Spaarndam) 5 tons, Rotterdam; 36 tons, London; 144 tons, Leerdam, London
GILSONITE—21 tons, Spaarndam, London
BLACK, CARBON—(Dramatist) 14 tons, Liverpool; 5 tons, Manchester; (Talisse) 195 cs, Port Swettenham; 1,320 sx, Batavia; (Spaarndam) 37 tons, London; 1 ton, Antwerp; 100 cs, 1,350 bgs, Hybert, Havre; (Monrosa) 69 cs, Genoa; 30 cs, Leghorn; (Leerdam) 44 tons, London; 10 tons, Antwerp; 1 ton, Amsterdam; 5 cs, Alberta, Piraeus
CALCIUM, PHOSPHATE—4 tons, Cefalu, Havana
CLAY, COMMON—200 sx, Dalvangen, Port of Spain; 20 tons, Spaarndam, London; 600 sx, Hybert, Havre; 2,195 sx, Recca, Marseilles
GROUND—47 tons, Ada, Maracaibo
COTTONSEED HULL SHAVING PULP—99 tons, Dramatist, London; 150 bls, Recca, Marseilles
CREOSOTE—1 ton, Cefalu, Puerto Cabezas
FIRECLAY—1 ton, Cefalu, Puerto Cabezas; 6 tons, Leerdam, Rotterdam
GASOLINE—10 dms, Dalvangen, Paramaribo
GLUCOSE—10 tons, Spaarndam, London
GREASE, LUBRIC—8 dms, Contessa, Puerto Cabezas; 100 bbls, Recca, Marseilles; 23 tons, Leerdam, Rotterdam; 80 dms, Alberta, Bourgas
KEROSENE—60 cs, Contessa, Puerto Cabezas; 250 cs, 10 dms, Dalvangen, Paramaribo; 600 cs, Austvangen, Bridgetown
LARD—(Contessa) 800 tins, Puntarenas; 1,211 tins, Guayaquil; 1,625 tins, Panama; (Cefalu) 350 tins, Guayaquil; 250 tins, Panama; 25 crts, Puerto Cabezas; 52 tons, Ada, Maracaibo
LEAD ACETATE—3 tons, Cefalu, Puerto Cabezas
LUBRICANTS—33 tons, Cefalu, Puerto Cabezas
MOLYBDENITE CONC—40 tons, Spaarndam, Rotterdam; 504 dms, Monrosa, Genoa
OIL, COTTONSEED FOOTS—6 tons, Leerdam, London
DIESEL — 325 bbls, Contessa, Puerto Cabezas; 550 bbls, Dalvangen, Moengo
OIL, FUEL—1,800 bbls, Contessa, Ceiba; 1,500 bbls, Cefalu, Ceiba; 9,722 tons, Adellen, Kingsnorth; 1,150 bbls, Dalvangen, Moengo; 1,150 bbls, Austvangen, Moengo
GAS—2,013 tons, Adellen, Kingsnorth
LUBRICATING — (Contessa) 5 dms, Puerto Cabezas; 2 dms, Ceiba; (Cefalu) 10 dms, Iquique; 3 dms, Ceiba; (Talisse) 10 dms, Belawan Deli; 400 dms, Singapore; 50 dms, Batavia; 20 dms, Pedang; 5 dms, Palembang; 20 dms, Sourabaya; 82 pkgs, Dalvangen, Kingston; (Spaarndam) 34 tons, London; 1 ton, Rotterdam; 27 tons, Amsterdam; (Hybert) 294 bbls, Havre; 100 bbls, Antwerp; 76 bbls, Recca, Marseilles; 50 pkgs, Nishmaha, Genoa; (Monbaldo) 293 bbls, Genoa; 85 bbls, 35 dms, Algiers; 84 tons, Leerdam, Rotterdam; (Alberta) 180 dms, 40 ctns, Bourgas; 55 bbls, Varna
OLIVE—375 cs, Cefalu, Havana
PINE—20 dms, (Hybert, Antwerp; 85 dms, Monbaldo, Genoa; 21 tons, Leerdam, London
PAINT, LIQ—1 ton, Contessa, Panama City; 1 ton, Cefalu, Panama City
PARAFFIN—(Contessa) 22 tons, Valparaiso; 22 tons, Mollendo; 43 tons, Cefalu, Arica; 22 tons, Dramatist, Manchester; 100 sx, Monrosa, Genoa; 20 tons, Leerdam, London; 200 sx, Alberta, Trieste
PETROLATUM—(Leerdam) 4 tons, London; 20 tons, Antwerp
PETROLEUM—8 dms, Cefalu, Puerto Cabezas
PINETAR—3 tons, Cefalu, Havana; 25 dms, Austvangen, Georgetown
ROSIN — 13 tons, Contessa, Talcahuano; 14 tons, Dramatist, Manchester; (Talisse) 200 dms, Batavia; 25 dms, Padang; 100 dms, Cheribon; 75 dms, Sourabaya; 48 tons, Spaarndam, London; (Leerdam) 35 tons, London; 38 tons, Rotterdam
WOOD—10 tons, Dramatist, Liverpool
SALT — (Contessa) 50 tons, Havana; 1 ton, Puerto Cabezas; (Cefalu) 30 tons, Havana; 2 tons, Puerto Cabezas
SOYBEAN MEAL—50 tons, Contessa, Havana; 80 tons, Cefalu, Havana
STARCH, CORN—24 tons, Contessa, Callao
SULPHUR, CRUDE — 1,019 sx, Dalvangen, Port of Spain
TITANIUM ORE—25 tons, Spaarndam, London
TOLUOL—In July 3 issue 2,217,117 gallons, should have read pounds, S.S. Diloma to England
TURPENTINE—2 tons, Contessa, Callao; 9 tons, Spaarndam, London; 20 bbls, Hybert, Antwerp; 8 tons, Leerdam, London

Norfolk Exports

Clearance Dates

City of Flint, Maidan, July 31; Montreal City, July 31; Tancred, July 31

ACETATE—60 dms, Maidan, London
ACETONE—90 dms, Maidan, London
ALCOHOL—25 dms, Maidan, London
CARBITOL—25 dms, Maidan, London
BUTYL—5 dms, Maidan, London
CEMENT, ROOF—208 ctns, Tancred, Manila
CORNFLOUR—440 bgs, 62,260 lbs, Montreal City, Cardiff
ETHYLENEGLYCOL MONOBUTYLETHER—35 dms, Maidan, London
MONOETHYLETHER — 384 dms, Maidan, London
MONOETHYLETHER ACETATE—40 dms, Maidan, London
MONOMETHYLETHER — 30 dms, Maidan, London
MICA, PULV—60 bgs, 6,120 bls, City of Flint, Dublin
MONOETHANOLAMINE—5 dms, Maidan, London
PAINT, ROOF—259 dms, Tancred, Manila
PLASTICIZER—1 dm, Maidan, London
STARCH, CORN—2,200 bgs, Tancred, Manila; 440 bgs, 62,260 lbs, Montreal City, Bristol; 440 bgs, 62,260 lbs, City of Flint, Glasgow
MOULDING—400 bgs, 56,000 lbs, Montreal City, Bristol
TANNING EXTRACT—795 bbls, 475,720 lbs, City of Flint, Liverpool; 62 bbls, 36,149 lbs, Montreal City, Bristol
TRIETHANOLAMINE—45 dms, Maidan, London

Philadelphia Exports

Clearance Dates

Anniston City, August 2; Black Hawk, July 29; City of Bedford, July 26; City of Flint, August 2; City of Rayville, August 2; Exhibitor, July 31; Gypsum King, August 3; Hjelmanre, July 31; Huncliffe, August 2; Kaimata, July 31; Kota Tjandi, July 28; Maidan, August 2; Malayan Prince, August 1; Manchester Brigade, July 31; Mormachawk, July 28; Mormacstar, August 1; Penrith Castle, August 4; San Simeon, July 27; San Vincente, August 1; Winkler, August 1; Zaandam, August 2

ACETONE—9 dms, San Simeon, Cristobal
ALCOHOL—186 dms, San Simeon, Cristobal
ALUMINA OXIDE — 2 bbls, San Simeon, Panama
AMMONIA, ANHYD—17 cyls, City of Bedford, Bombay
NITRATE—25 dms, Kota Tjandi, Batavia
ASPHALT—22 dms, Mormacstar, Buenos Aires
BENZOL—36 dms, Mormacstar, Buenos Aires; 98,566 gls, Winkler, Hemixen
BLACK, LAMP—20 cs, San Simeon, Cristobal
BRAKE FLUID—1 dm, Mormachawk, Copenhagen, 1 dm, San Simeon, Valparaiso
BUTYL ACETATE—18 dms, Huncliffe, Wellington
CASSAVA FLOUR—53 pkgs, City of Flint, Glasgow
CEMENT, FIBER—2 dms, San Simeon, Valparaiso
FURNACE—36 pkgs, City of Flint, Manchester
GASKET—(City of Flint) 21 cs, Calcutta; 5 cs, Madras
LIQUID—6 ctns, Mormacstar, Montevideo
RUBBER—2 pls, 2 dms, Mormachawk, Copenhagen; 3 dms, 3 pls, San Simeon, Valparaiso; 1 ctn, Kaimata, Sydney
TILE, WATERPROOF—25 dms, 10 ctns, Mormachawk, Gothenburg
CLEANER—2 dms, City of Bedford, Calcutta; 20 dms, Mormachawk, Copenhagen; 1 bx, Hjelmaren, Stockholm; 4 pkgs, Zaandam, Amsterdam
CHLORINE, LIQ—50 cyls, San Vincente, Cristobal
COALTAR INTERMEDIATES—(Mormachawk) 1 bx, 2 dms, Oslo; 4 dms, Stockholm
COCOA CAKE—1,280 pkgs, Zaandam, Amsterdam
COLLODION COTTON—170 pkgs, Manchester Brigade, Liverpool; 225 bbls, 4 cs, Maidan, London
COMPOUND—5 ctns, Penrith Castle, Hongkong
CORK, GRANULATED—4 sks, Castilla, Puerto Barrios
CYANIDE—1 dm, Huncliffe, Auckland
ETHYL FLUID—10 dms, Kota Tjandi, Singapore; (Huncliffe) 4 dms, Auckland; 2 dms, Dunedin; 3 dms, Lyttelton

FIRECLAY—40 bgs, Mormacstar, Buenos Aires
FLAXSEED—5,033 pkgs, Black Hawk, Antwerp
FUEL, ANTI-KNOCK COMP.—(Mormachawk) 12 dms, Copenhagen; 30 dms, Gdynia; 482 dms, Maidan, London
GLUE, STAINLESS—1 ctn, Mormachawk, Helsingfors
GREASE—3 pkgs, Manchester Brigade, Liverpool; 5 dms, San Simeon, Valparaiso; 17 dms, Maidan, London; 3 pkgs, Zaandam, Rotterdam
LUBRICATING—15 dms, City of Bedford, Calcutta; 160 cs, San Simeon, Puerto Bolivar; (San Vincente) 19 dms, 1 cs, Tumaco; 5 dms, Valparaiso; 8 dms, Callao; 4 dms, Guayaquil; (Kaimata) 22 cs, 10 pls, 4 qtr dms, Brisbane; 50 cs, Sydney; 17 cs, 40 pls, Melbourne; 50 ctns, Anniston City, Manila
GUM, ARABIC—1 dm, San Simeon, Panama
HEMATINE CRYSTALS—6 pkgs, City of Flint, Liverpool
INSECTICIDE—2 cs, City of Bedford, Mombassa; (Kota Tjandi) 131 pkgs, Penang; 64 pkgs, Port Swettenham; 30 pkgs, Singapore; 123 ctns, San Simeon, Panama; 30 pkgs, Zaandam, Rotterdam
IRON ORE—9 pkgs, Zaandam, Rotterdam
KEROSENE—40 dms, Huncliffe, Auckland; (Kaimata) 5 dms, Melbourne; 5 dms, Adelaide
LACQUER, LIQ—25 ctns, 4 bxs, 4 kts, Mormacstar, Montevideo
THINNER—20 dms, Mormacstar, Montevideo
LARD—(City of Flint) 300 pkgs, Manchester; 300 pkgs, Liverpool
LICORICE EXTRACT—20 kgs, Manchester Brigade, Liverpool
PASTE—40 pkgs, Manchester Brigade, Liverpool; 30 cs, Hjelmaren, Bergen; 75 cs, Maidan, London; 15 cs, Huncliffe, Auckland
MANGANESE ORE, GRD—4 bbls, City of Bedford, Bombay; 4 bbls, City of Rayville, Bombay
MEDICINAL PREP, HOMEOPATHIC—(City of Bedford) 2 cs, Karachi; 5 cs, Bombay; 2 cs, Rangoon
OIL—Quantity, Black Hawk, Antwerp; (Kota Tjandi) 86 pkgs, Belawan, Deli; 100 pkgs, Port Swettenham; 259 pkgs, Singapore; 3 dms, Batavia; 33 pkgs, Cheribon; 86 dms, 4 pkgs, Sourabaya; 5 dms, Mormachawk, Copenhagen; 19 dms, San Simeon, Valparaiso
CYLINDER—2,295 dms, Hjelmaren, Freeport; (Winkler) 7,313 bbls, Hamburg; 2,923 bbls, London; 2,132 bbls, Birkenhead
GAS—2,218 bbls, Winkler, Antwerp
LUBRICATING—(Kota Tjandi) 301 pkgs, Belawan Deli; 31 pkgs, Sibolga; 712 pkgs, Penang; 621 pkgs, Port Swettenham; 1,389 pkgs, Singapore; 325 pkgs, Bangkok or Singapore; 220 pkgs, Batavia; 70 pkgs, Padang; 165 pkgs, Palembang; 120 pkgs, Samarang; 65 pkgs, Sourabaya; 170 pkgs, Macassar; (City of Bedford) 65 dms, 5 cs, Port Said; 5 dms, Bombay/Calcutta; 1,604 dms, 7 cs, Karachi; 111 dms, Bombay; 280 cs, 605 dms, Cochin; 140 dms, 180 cs, Colombo; 185 cs, 275 dms, Madras; 879 dms, 776 cs, 8 pls, Rangoon; 2,520 dms, 350 cs, Calcutta; (Mormachawk) 549 pkgs, Helsingfors; 1 bx, Copenhagen; 100 ctns, 3 dms, Oslo; (Manchester Brigade) 42 pkgs, Liverpool; 50 pkgs, Birkenhead; 75 pkgs, Manchester; (Hjelmaren) 40 dms, Helsingfors; 1 crate, 50 bbls, 27 pkgs, Stockholm; (City of Rayville) 65 dms, Bombay; 28 dms, Madras; (Malayan Prince) 505 pkgs, Iloilo; 1,890 pkgs, Cebu; 420 pkgs, Tientsin; 1,250 pkgs, Hongkong; 947 pkgs, 2,946 bbls, Shanghai; 755 pkgs, Saigon; (San Vincente) 7 dms, Tumaco; 102 dms, Valparaiso; 17 dms, Chimbote; 60 dms, Callao; 12 dms, Pisco; 36 ctns, Guayaquil; (Kaimata) 1,101 dms, 100 pls, Brisbane; 1,254 dms, 36 cs, 11 ctns, Sydney; 398 dms, 23 ctns, Melbourne; 292 dms, 10 cs, Adelaide Wharf; (Winkler) 14,753 bbls, Antwerp; 3,459 bbls, Hamburg; 6,607 bbls, London; 5,157 bbls, Birkenhead; 7,163 bbls, Ellesmerport; (Huncliffe) 2 dms, Wellington; 19 dms, 125 ctns, 6 cs, 500 pkgs, Lyttelton; 98 pkgs, 1 dm, Dunedin; 432 pkgs, Wellington; 988 pkgs, 16 dms, Auckland; 20 pkgs, Invercargill; (Zaandam) 1,780 bbls, 140 pkgs, Rotterdam; 119 pkgs, Amsterdam; 65 pkgs, City of Flint, Dublin; 110 ctns, 3 dms, San Simeon, Barranquilla; 29 dms, Exhibitor, Piraeus; 86 pkgs, 150 bbls, 215 dms, Maidan, London; 196 ctns, Anniston City, Manila
MEDICINAL—1 cs, Winkler, Antwerp
NEATSFOOT—25 dms, Hjelmaren, Norrkoping
REFINED—1 cs samples, Winkler, Antwerp
TRANSFORMER—(City of Bedford) 50 dms, Karachi; 3 dms, Colombo; 10 dms, Madras 20 dms, 20 cs, Calcutta
OILCAKE—5,035 pkgs, Zaandam, Rotterdam
PAINT—117 pails, 1 cs, 5 dms, Mormachawk, Copenhagen; 156 pails, 7 dms, San Simeon, Valparaiso; 20 pails, Hjelmaren, Stockholm
LIQUID—(Mormacstar) 68 ctns, Montevideo; 7 ctns, 36 dms, Buenos Aires
PIGMENT—1 bx, Mormacstar, Buenos Aires
REMOVER—3 ctns, Mormacstar, Buenos Aires
PARAFFIN—2 bxs, Mormacstar, Buenos Aires; 200 bgs, San Simeon, Arica; (San Vincente) 772 bgs, Valparaiso; 300 bgs, Guayaquil
PETROLATUM—73 dms, Maidan, London; (City of Bedford) 1 dm, Bombay; 14 dms, Cochin; 25 dms, Rangoon
PLASTER PARIS—10 bbls, Mormacstar, Buenos Aires
CALCINED—1 bx, Mormacstar, Rio de Janeiro
POLISH—(Penrith Castle) 1 cs, Hongkong; 3 ctns, Manila
AUTO—(Mormacstar) 16 ctns, 4 kits, Montevideo; 4 dms, Buenos Aires; 40 pkgs, Zaandam, Amsterdam
FURNITURE—8 ctns, City of Bedford, Mombassa, via Aden; 60 ctns, San Simeon, Panama
PUTTY—1 ctn, Penrith Castle, Hongkong; 11 ctns, Mormacstar, Montevideo
QUERCITRON BARK—10 pkgs, City of Flint, Liverpool
RESIN, COALTAR—28 dms, Maidan, London
RESURFACER—4 dms, City of Bedford, Port Sudan, via Suez
SOAP, LAUNDRY—300 pkgs, Manchester Brigade, Liverpool
SODA ASH—11 dms, City of Bedford, Bombay, optional Calcutta; 1 pkg, Manchester Brigade, Liverpool
BICHROMATE—1 pail, San Simeon, Valparaiso
OXIDE—1 bx, City of Bedford, Karachi
PHOSPHATE—14 bgs, Huncliffe, Wellington
SILICATE—130 bbls, 2 dms, Gypsum King, Windsor
SOLVENT—3 cs, City of Bedford, Karachi; 1 dm, Mormacstar, Buenos Aires
TANNERS' BATE—12 bbls, San Simeon, Callao
TANNING EXTRACT—25 pkgs, City of Flint, Manchester
TIN OXIDE—1 bbl, San Simeon, Panama
TOLUOL—10 dms, Mormacstar, Buenos Aires; 1,320,520 lbs, Winkler, Hemixen
VARNISH—1 pkg, Manchester Brigade, Liverpool; 8 dms, 1 ctn, Mormacstar, Buenos Aires; 1 bx, San Vincente, Cristobal
WAX—30 bgs, San Simeon, Guayaquil; 2 bbls, Huncliffe, Wellington; 170 pkgs, Zaandam, Rotterdam
AUTO—16 ctns, Mormacstar, Buenos Aires
FLOOR—1 cs, City of Bedford, Mombassa, via Aden
WOOD FILLER, PASTE—2 kits, Mormacstar, Buenos Aires
XYLOL—10 dms, Mormacstar, Buenos Aires
ZINC CARBONATE—9 bbls, Anniston City, Manila

Port Arthur Exports

Clearance Dates

Garonne, July 21; Genevieve Lykes, July 26; Genyo, July 29; Herbrand, July 23; Kollbjorg, July 29; Liberator, July 24; Nishmaha, July 23; President Sergent, July 30; Solitaire, July 19

ASPHALT, PETROL—(Liberator) 1,601 bbls, 2,076 dms, London; 49 dms, Dundee; (Genevieve Lykes) 150 dms, San Juan; 2 dms, 3 bxs, Mayaguez; 255 dms, 8 bbls, President Sergent, Amsterdam
GASOLINE—86,979 bbls, Garonne, Valencia-Barcelona; (Kollbjorg) 38,266 bbls, Rio de Janeiro; 51,478 bbls, Santos; 31,766 bbls, President Sergent, Amsterdam
GREASE, LUBRIC — (Solitaire) 210,626 lbs, Antwerp; 168 bbls, 21 cs, 34 half bbls, Rouen; 199 bbls, 104 dms, Garonne, Valencia-Barcelona; 1 bbl, Herbrand, Buenos Aires; 40 bbls, Nishmaha, Genoa; 390 dms, 212 ctns, 85 cs, 85 crts, President Sergent, Amsterdam
KEROSENE—10 dms, Solitaire, Rouen; 50 cs, Herbrand, Buenos Aires; 12,805 bbls, Kollbjorg, Rio de Janeiro; 13,226 bbls, President Sergent, Amsterdam
OIL, CYLINDER—2,071 bbls, Solitaire, Rouen
DIESEL—2,244 bbls, President Sergent, Amsterdam
GAS—33,093 bbls, President Sergent, Rouen-Lorient
LUBRICATING—(Solitaire) 17,472 bbls, Antwerp; 8,270 bbls, 354 dms, Rouen; 64 dms, Herbrand, Buenos Aires; 20 dms, Liberator, London; 36 bbls, 304 dms, President Sergent, Amsterdam
LUBRICATING, BLACK — (Nishmaha) 49 bbls, Genoa; 15 dms, Naples; 15 dms, Venice; 1 dm, Genevieve Lykes, San Juan
LUBRICATING, PALE — (Nishmaha) 619 bbls, 50 half bbls, Genoa; 283 bbls, 9 half bbls, Naples; 30 bbls, Civitavecchia; 120 bbls, Trieste; 177 bbls, 25 half bbls, 55 dms, Venice; 17 bbls, Genevieve Lykes, Ponce
PARAFFIN—10 cs, Solitaire, Rouen
PETROLEUM, CRUDE—106,826 bbls, Herbrand, Buenos Aires; 84,422 bbls, Genyo, Tokuyama

San Francisco Exports

Clearance Dates

Ariston, July 6; Asama, July 10; City of Baltimore, July 8; City of Evansville, July 10; City of Norfolk, July 1; Deroche, July 8; Drechtdijk, July 1; Nanman, July 7; Nisshin, July 8; Nissyo, July 1; Pacific Shipper, July 1; President Adams, July 8; President Coolidge, July 1; Procyon, July 10; Providencia, July 7; Rialto, July 1; Rosebank, July 1; San Diego, July 1, July 5; Silverguava, July 1; Solana, July 1; Tolken, July 1

ABRASIVES—1 cs, President Coolidge, Hongkong
ACETONE—82 dms, Tolken, Australia
ACID, BORIC—5 kegs, President Coolidge, Manila; 100 sks, City of Baltimore, Havana; 10 cs, 70 sks, Tolken, Australia
CRESYLIC—5 pls, Drechtdijk, Holland
NITRIC—2 cs, Providencia, Santa Rosalia
PHOSPHORIC—2 crbys, Rosebank, Vancouver
SULPHURIC—1 crby, Rosebank, Vancouver
AGAR AGAR—2 bls, Tolken, Australia
ALBUMEN, BLOOD—17 cs, Rialto, Palestine
AMMONIA—(President Adams) 38 cyls, Miri; 25 cyls, Singapore
APRICOT KERNELS—400 sks, Drechtdijk, Holland
ASPHALT—(President Coolidge) 482 dms, Shanghai; 64 sks, Kobe; 100 bbls, Hongkong; 73 sks, Osaka; 200 sks, Yokohama; (Silverguava) 1,450 dms, Rangoon; 10 dms, Singapore; 900 dms, Calcutta; 143 bbls, 60 sks, Rosebank, Vancouver; 3 bbls, President Adams, Port Swettenham; 40 bbls, Manila
GILSONITE—54 sks, Silverguava, Calcutta
BENZOLENE—205 dms, Tolken, Australia
BLUE, LAUNDRY—7 cs, President Coolidge, Manila
BONE, FLOUR—600 sks, Rosebank, Vancouver
MEAL—100 sks, Rosebank, Vancouver
BORAX—(President Coolidge) 3 cs, Shanghai; 2 cs, 20 sks, Manila; 336 sks, 8 cs, 40 kegs, Tolken, Australia; 25 sks, City of Baltimore, Havana
BUTTERMILK, DRIED—20 bbls, President Adams, Manila
CALCIUM CHLORIDE—1 dm, Rosebank, Vancouver
CANARY SEED—20 sks, President Adams, Hongkong
CARBON—408 sks, Drechtdijk, England
DECOLORIZING—1 bdl, President Adams, Hongkong
CASCARA BARK—56 sks, Tolken, Australia
CASSIA—60 bls, City of Baltimore, Guayaquil
CATTLE HORNS—32 sks, President Coolidge, Osaka
CEMENT, LINOLEUM—1 dm, Silverguava, Calcutta
MAGNESIA—200 sks, President Coolidge, Shanghai
ROOF—2 cs, President Coolidge, Hongkong; 1 bbl, Tolken, Australia; 2 cs, City of Norfolk, Havana
RUBBER—11 dms, Tolken, Australia
CHEMICALS—20 cs, President Coolidge, Hongkong; 15 cs, Tolken, Australia; (President Adams) 11 cs, Singapore; 40 cs, Osaka; 10 kgs, 53 pkgs, Hongkong
CHLORINE BLEACH, LIQ—2 cs, President Coolidge, Shanghai
CLEANER—17 cs, 1 bbl, Rosebank, Vancouver
CLEANING FLUID—(President Coolidge) 23 cs, Hongkong; 22 cs, Shanghai; 2 cs, Singapore
COCOA BUTTER—50 cs, President Coolidge, China
COLOR, DRY—1 bbl, Rosebank, Vancouver
LIQUID—1 cs, President Adams, Hongkong
DENTIFRICES—18 cs, President Coolidge, Bangkok; (Silverguava) 22 pkgs, Medan; 8 cs, Manila; 15 cs, President Adams, Penang
DIACETONE—5 dms, Tolken, Australia
DEXTRIN—5 sks, Rosebank, Vancouver
DRESSING, LEATHER — 1 cs, President Coolidge, Shanghai
EMERY—1 cs, President Coolidge, Manila
FERTILIZER—23 sks, 9 pkgs, President Coolidge, Manila
FIRECLAY—600 sks, Rosebank, Vancouver
FISHMEAL—650 sks, Silverguava, Manila
FLYSPRAY—3 cs, Silverguava, Rangoon 78 cs, President Adams, Hongkong
GAS—20 cyls, Rosebank, Vancouver
GASOLINE—10 dms, Silverguava, Manila; 1,050 cs, Providencia, Santa Rosalia; 5,000 cs, Deroche, Siam; 10,000 dms, Nanman, Yokohama/Moji; 104.765 bbls, Procyon, Aruba
GINSENG—3 bbls, President Coolidge, Hongkong
GLASS, PLATE—1 cs, President Coolidge, Manila; 1 cs, City of Evansville, Philippine Islands
GLUCOSE—10 bbls, President Coolidge, Iloilo; 90 bbls, President Adams, Manila
GRAPHITE—1 cs, Tolken, Australia; 1 kg, Rosebank, Vancouver
GREASE, LUBRIC—246 dms, Tolken, Australia; 3 dms, 20 pls, Silverguava, Rangoon; (Rosebank) 167 dms, 36 hlf dms, 285 pls, 134 cs, Shellburn; 6 dms, 10 cs, Vancouver; 8 dms, President Adams, Singapore; 100 dms, City of Evansville, Manchukuo
GUM, MASTIC—3 cs, President Adams, Manila
GYPSUM PASTE—4 cs, President Adams, Bombay
HOPS—10 bls, Tolken, Australia
HYDROGEN, PEROXIDE—10 cs, Rosebank, Vancouver
INK, PRINTING—(President Coolidge) 10 pls, 2 dms, Manila; 1 cs, 4 dms, Shanghai; 4 cs, Silverguava, Belawan; (Rosebank) 1 cs, James Island; 35 pls, 2 kgs, Vancouver; 2 cs, President Adams, Bombay
INSECTICIDE—(President Coolidge) 1 cs, Manila; 2 cs, Shanghai; 2 cs, Hongkong; 3 cs, Bangkok; 321 dms, Rialto, Palestine; 13 cs, Providencia, Santa Rosalia
IRON SULPHATE—1 bbl, Rosebank, Vancouver
KELP—13 sks, President Adams, Hongkong
KERNEL PASTE—10 cs, President Coolidge, Manila
KEROSENE—120 dms, 1 cs, Tolken, Australia; 20,000 cs, San Diego, China; 7,500 cs, Deroche, Siam
LACQUER—65 pls, President Coolidge, Shanghai; 3 cs, Rialto, Panama
SURFACER — 5 pls, President Coolidge, Shanghai
THINNER—10 pls, Rialto, Panama
LEAD, WHITE—800 kgs, President Coolidge, Manila
WHITE, DRY—34 bbls, President Coolidge, Manila
LIGHTER FLUID—3 cs, Rosebank, Vancouver
LIME—351 sks, Rosebank, Vancouver
LINSEED CAKE—6,000 sks, San Diego, France
LITHARGE—40 dms, Rosebank, Vancouver
MEDICINAL PREPS—(President Coolidge) 2 cs, Hongkong; 1 cs, Bangkok; 3 kgs, Shanghai; 4 cs, City of Baltimore, Kingston
METHYL ETHYL—31 dms, Tolken, Australia
MICA SPLITTINGS—30 cs, President Coolidge, Yokohama
MILK POWDER—50 bbls, President Coolidge, Hongkong
MINERAL SPTS—1,270 dms, Tolken, Australia
MOLYBDENUM CONC—237 dms, President Coolidge, Yokohama
NAPHTHA—1,070 dms, Tolken, Australia
NITROCELLULOSE—2 dms, Rosebank, Victoria
OIL, DIESEL—(San Diego) 24,612 bbls, Japan; 3,508 bbls, China; 12,628 bbls, Formosa; 30,000 bbls, Deroche, Siam; 135,270 bbls, Nisshin, Japan
FUEL—26,160 bbls, San Diego Maru, Formosa
GAS—(Silverguava) 3,941 bbls, Cebu; 2,982 bbls, Manila
LEMON—1 cs, Tolken, Australia
LINSEED—2 pls, President Coolidge, Shanghai
LUBRICATING — (President Coolidge) 1,370 dms, Shanghai; 550 dms, Yokohama; 200 dms, Kobe; 150 dms, Moji; 83 dms, Bangkok; 1 cs, Pacific Shipper, Newport; 1,177 dms, 125 cs, Tolken, Australia; (Silverguava) 165 dms, Rangoon; 3 dms, 5 qtr dms, Sourabaya-Samarang-Batavia; 58 dms, Singapore; 50 dms, Calcutta; 30 dms, Iloilo; 20 dms, Cebu; 30 dms, Batavia-Fremantle-Sourabaya; 130 dms, Calcutta, 40 dms, Batavia; 40 dms, City of Baltimore, Panama; (Rosebank) 65 dms, Shellburn; 3 dms, Victoria; 25 dms, Vancouver; 10 dms, New Westminster; 5 dms, San Diego Maru, China; 6 pls, 15 dms, Providencia, Santa Rosalia; 68 dms, President Adams, Singapore; (Asama) 200 dms, Dairen; 27 dms, Yokohama; (City of Evansville) 155 dms, Siam; 1,085 dms, Manchukuo
NEATSFOOT—7 dms, President Adams, Manila
NEUTRAL—2 dms, Rosebank, Vancouver
OLIVE—3 dms, Rosebank, Vancouver
SPRAYING—4 dms, Rosebank, Shellburn
TRANSFORMER—6 cs, President Coolidge, Shanghai
PAINT—10 cs, President Coolidge, Manila; 6 dms, 10 pls, 17 cs, Drechtdijk, Colombia; (Silverguava) 127 pls, 24 cs, Rangoon; 187 pls, 10 dms, 274 cs, Calcutta; (City of Norfolk) 2 dms, 5 pls, Colon; 12 cs, Cristobal
PAINT, ENAMEL—6 pls, President Coolidge, Shanghai; 1 cs, Rialto, Panama
LIQUID—1 dm, 8 kgs, 2 cs, President Coolidge, Baguio
PASTE—6 cs, Drechtdijk, Colombia; 1 dm, City of Norfolk, Colon
THINNER—2 cs, Providencia, Santa Rosalie
PERFUMERY—1 cs, Rosebank, Vancouver
PETROLATUM—1 bbl, Asama, Tokio
PETROLEUM — (President Coolidge) 50 cs, Bangkok; 75 cs, 150 bbls, Shanghai; 5 cs, Rosebank, Vancouver; (City of Evansville) 656 dms, China; 150 dms, 5 cs, Manchukuo
CRUDE—72,000 bbls, Solana, Canada; 87,400 bbls, Nissyo, Japan; 103,000 bbls, Ariston, Japan
GAS, LIQ—8 cyls, Rosebank, Shellburn
PHARMACEUTICALS—(President Coolidge) 10 cs, Hongkong; 22 cs, Shanghai; (Silverguava) 43 pkgs, Calcutta; 2 cs, Sourabaya; 12 pkgs, Rangoon; 4 cs, Batavia; 5 cs, President Adams, Singapore
POLISH—2 cs, Rialto, Panama; 1 cs, Silverguava, Sourabaya; (President Coolidge) 24 cs, Shanghai; 23 cs, Manila; 1 cs, Hongkong; (Rosebank) 80 cs, Vancouver; 24 cs, Victoria; 5 cs, City of Evansville, Philippine Islands
RESIN—3 bbls, Rosebank, Vancouver
SALT—125 sks, President Coolidge, Manila; 991 tons, Rosebank, Vancouver
SHELLAC—5 bbls, Rosebank, Vancouver
DRY—1 cs, Providencia, Santa Rosalia
WHITE—20 kegs, Rosebank, Vancouver
SOAP—2 cs, President Coolidge, Manila; 2 cs, President Adams, Singapore
FLAKE—4 cs, President Coolidge, Shanghai
LAUNDRY—(President Coolidge) 1 cs, Shanghai; 14 cs, Manila
POWDER—10 cs, President Coolidge, Shanghai
TOILET—(President Coolidge) 5 cs, Shanghai; 47 cs, Yunnanfu; 6 cs, Silverguava, Sourabaya; 61 cs, President Adams, Yunnanfu
SODA—35 cs, President Coolidge, Shanghai
ASH—6 bbls, Providencia, Santa Rosalia
CAUSTIC—6 dms, Providencia, Santa Rosalia
SILICATE—43 dms, Rosebank, Vancouver
SOLVENT, DRAIN-PIPE — 25 cs, President Coolidge, Manila
PETROLEUM—25 dms, Rosebank, Shellburn
SULPHUR—(Pacific Shipper) 20 sks, Guernsey; 20 sks, Kent
DIOXIDE—6 cyls, Rosebank, Vancouver
REFINED—2 sks, Providencia, Santa Rosalia
TOILET PREPS—(President Coolidge) 404 cs, Manila; 6 cs, Shanghai; 38 cs, Hongkong; 53 cs, Hongkong; 9 cs, Silverguava, Calcutta; (President Adams) 1 cs, Miri; 9 cs, Singapore; 2 cs, Marmagoa; 16 cs, Hongkong; 3 cs, Bangkok; 3 cs, Marma (?) 400 cs, Cebu; 407 cs, Manila; 3 cs, Rosebank, Vancouver
VARNISH—2 cs, Providencia, Santa Rosalia; 60 cs, President Adams, Manila
WAX—3 cs, President Adams, Manila
YEAST—(President Coolidge) 130 cs, Yokohama; 160 cs, Kobe; 100 cs, Shanghai; 60 cs, Asama, Yokohama
ZINC DUST—(Drechtdijk) 30 cs, Venezuela; 68 cs, Ecuador

Savannah Exports

Clearance Dates

Baja California, August 3; Jupiter, July 31; Sophocles, July 29; Vasaholm, July 26

CLAY—(Vasaholm) 220 bgs, Helsingborg; 320 bgs, Gdynia
OIL, CREOSOTE—1 bx, Baja California, Havana
PINE—(Soprocles) 42 dms, Yokohama; 22 dms, Kobe
ROSIN—6 dms, Vasaholm, Oslo
ROSIN, GUM—(Vasaholm) 168 bbls, Oslo; 15 bbls, Bergen; 60 bbls, Trondhjem; 2,196 bbls, Gothenburg; 105 dms, Copenhagen; 235 bbls, Gdynia; 320 bbls, Jupiter, Havana; 400 bbls, Baja California, Havana; (Sophocles) 50 bbls, Yokohama; 152 bbls, Osaka; 30 dms, Hongkong
SIZE—224 bgs, Vasaholm, Soederteije
TURPENTINE, GUM—(Vasaholm) 85 bbls, 30 dms, Oslo; 109 bbls, 156 dms, Gothenburg; 5 bbls, Malmo; 100 bbls, Copenhagen; (Baja California) 5 dms, Havana; 5 dms, Santiago; (Sophocles) 25 cs, Osaka; 50 cs, Manila
WOOD—20 dms, Sophocles, Manila

Tampa Exports

Clearance Dates

Boschdijk, July 28; Christian Sass, July 16; W M Delphia, July 25; Devon City, July 14; Maasdam, July 19; Maria, July 14; My Own, July 20; Paul Ely, July 25

GASOLINE—3 dms, My Own, Belize; 10 dms, Paul Ely, Belize; 31 dms, W M Delphia, Belize
PHOSPHATE—2,001 tons, Maria, Venice; 8,990 tons, Devon City, Yokohama-Osaka; 6,759 tons, Christian Sass, Sorel; 4,402 tons, Maasdam, Rotterdam; 4,002 tons, Boschdijk, Antwerp

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE—31,871 bbls, W F Burdell, Baytown
OIL, FUEL—80,914 bbls, David McKelvy, Boston
GAS—73,849 bbls, Mevania, Paulsboro; 70,335 bbls, Watertown, New York
PETROLEUM, CRUDE—71,913 bbls, Washington, Port Arthur; 139,093 bbls, Beta, Texas City; 61,208 bbls, Federal, Houston; 66,019 bbls, Pennsylvania, Port Neches; 88,568 bbls, Standard Arrow, New York; 124,504 bbls, Esso New Orleans, Baytown; 112,976 bbls, H M Clark, Baytown; 87,189 bbls, H M Flagler, Baytown; 98,597 bbls, Thermo, Baytown; 147,447 bbls, Wm Rockefeller, Baytown; 148,079 bbls, W S Farish, Baytown

Los Angeles Coast Trade

GASOLINE—30,334 bbls, J J Coney, Richmond; 61,748 bbls, Dirigo, Seattle; 44,393 bbls, L P St Clair, Oleum; 7,699 bbls, L P St Clair, Seattle; 7,946 bbls, San Diegan, San Diego; 76,300 bbls, Elwood, Portland; 80,817 bbls, Huguenot, Seattle; 43,655 bbls, J J Coney, Seattle; 34,000 bbls, Camden, Seattle
KEROSENE—2,650 bbls, Dirigo, Seattle; 7,994 bbls, L P St Clair, Oleum
OIL, DIESEL — 7,998 bbls, Dirigo, Seattle; 8,200 bbls, Elwood, Portland; 32,400 bbls, Camden, Martinez
OIL, FUEL—65,753 bbls, Paul Shoup, Avon; 48,639 bbls, Topila, Portland; 38,602 bbls, La Brea, Oleum; 2,352 bbls, Coat Trader, Portland; 51,000 bbls, Brazos, Bremerton; 48,564 bbls, Torres, Portland; 7,096 bbls, Stanley A Griffiths, Edmonds; 9,760 bbls, Texada, Edmonds; 51,131 bbls, Cuyama, San Diego
PETROLEUM, CRUDE—31,463 bbls, La Brea, Oleum; 37,802 bbls, L P St Clair, Oleum; 25,615 bbls, La Placentia, Oleum
DISTILLATE—72,075 bbls, Paul Shoup, Avon

New Orleans Coast Trade

CHEMICALS—10 dms, Althea, Houston

Recent Charters

PETROLEUM — 50,000 bbls, Tanker, heating oil, Gulf to London, 18c a barrel
4,351 tons, S S W F Burdell, gasoline, Gulf to Montreal, 27c a barrel; prompt
3,670 tons, S S Chr Th Bae, dirty, Aruba to Dakar, 7s 3d; September
—— tons, S S ——, dirty, Gulf to North of Hatteras; August
13,000 tons, S S Yarraville, dirty, Venezuela-U S N H, 13½c; August
5,901 tons, S S Solfonn, clean, Gulf to Continent, 11s; August
6,602 tons, S S O A Knudsen, clean, Gulf to Continent, 10s; August

V 136 7 AUG 1939 XUM

Synthetic Camphor Stabilizes Market

Production of synthetic camphor on a commercial scale in the United States dates from 1933, when E. I. du Pont de Nemours & Co. began manufacture at Deepwater Point, N. J., in a plant with an annual capacity of 3,600,000 pounds. Need for camphor stemmed from the company's production of celluloid, the original plastic first made by a young printer named Hyatt who mixed camphor with nitrated cotton cellulose and produced celluloid. Hyatt's achievement was the beginning of the present large plastics industry, an industry which is still in its infancy and whose future holds a brilliant promise.

Workmen drag a huge pine stump from the ground: first step in the production of steam-distilled turpentine used in making synthetic camphor

Until the du Pont company began its synthesis on a commercial scale, camphor for whatever purpose was obtainable in natural form only from the Japanese. Germany had produced synthetic camphor for a time, but not in quantities sufficient to make celluloid manufacturers independent of the Japanese. When the du Pont factory began operations, it assured American manufacturers a continuing supply of a technical and U.S.P. camphor at low prices. Japanese camphor has not been driven out of the United States market, but if need be, the du Pont company could produce all the camphor this country could use. Since the advent of du Pont camphor much of the speculative element has been removed from the camphor market and an era of low, stable prices initiated.

Camphor is a government monopoly in Japan. For years the camphor monopoly allotted camphor to American manufacturers, but buyers could never be certain of getting more than a ninety-day supply at any price. They never knew if they could secure another lot of camphor, nor did they know what they would have to pay for the next lot the Japanese offered. This monopoly made for high prices. In January, 1920, Japanese U.S.P. refined camphor reached a high point of $3.65 per pound, according to the OIL, PAINT AND DRUG REPORTER. Today, du Pont U.S.P. synthetic camphor sells for 46 cents per pound.

American synthetic camphor is made from purified turpentine known as pinene. Pinene is a thin liquid, slightly yellowed, with the familiar pinelike aroma of common "turps". This pinene is brought to Deepwater Point from the Southern plants that produce it.

Formic acid is made from sodium formate for use in the production of synthetic camphor

A quarter-mile from the du Pont plant the air is laden with the clean, heady odor of camphor, increasing in intensity as the factory is approached. Inside the plant, the pinene is fed into huge vessels that rise story on story and which are connected by an intricate maze of pipes. These pipes rise from floor to floor, verging into gigantic tanks. Everywhere is the smell of camphor, and over all sounds constantly the hiss of steam. Save for peepholes, the bubbling liquid is unseen from the time the raw material enters the tanks until the finished product pours out in waxlike flakes resembling snow.

During its passage through the junglelike maze of pipes and tanks, pinene is changed into camphene as the central operation. At that stage, the thin liquid has been converted into a solid form not unlike a lump of coarse salt. The third operation converts camphene into camphor. The du Pont company says that the term, "synthetic," so loosely applied, is misleading; for the chemically made product is not built up from simple elements. The du Pont process begins with the already complex organic structure of turpentine and then proceeds to "rearrange" its parts much as a child changes the order of his blocks on the floor. As the parts are rearranged, purified turpentine (pinene) is turned into camphene, and then camphene becomes the synthetic camphor of commerce.

Camphene columns and receivers used in the production of duPont synthetic camphor

Experiments in synthetic camphor go back to the early years of the last century when a German druggist introduced hydrochloric acid into turpentine and obtained a crystal resembling camphor. A Frenchman, Bertholet, produced a sort of camphor by chemical means in 1853. Attempts to produce camphor synthetically have, heretofore, always fluctuated with the price of natural camphor made in the Japanese island of Formosa. The incentive, so to speak, lay in the market. According to the du Pont company, labor costs are a small item in Formosa, explaining why it is possible for the Japanese to lower their price to any necessary figure to compete with the chemical product.

But American manufacture, as it is underway today, has insured several important things. Never again will the monopolists succeed in running up the price. America need never again be dependent on a foreign source of supply. And the American naval stores industry has been the beneficiary of a new market for its turpentine.

The tariff protection afforded the home industry has been in the nature of a challenge. An innovation in duty schedules gives the American synthetic manufacturer a degree of protection. An impost of 5 cents a pound was placed on imported refined natural and synthetic camphor, the maintenance of the rate being dependent on the production of 25 percent of domestic consumption in 1933, 30 percent in 1934, and 50 percent thereafter.

Du Pont chemists met the challenge and man-made synthetic camphor, technical and U.S.P., in quality, in abundance for domestic needs is a reality.

Corporation Earnings Recently Reported

	Period.	1939 Net income.	1939 Per share.	1938 Net income.	1938 Per share.
American Commercial Alcohol Corp.	6 mos.	*$87,371	...	$26,641	$0.10
American Potash & Chemical	6 mos.	1,338,667	$2.53	940,746	1.78
Bristol-Myers Co	6 mos.	1,318,699	1.93	977,562	1.43
Coca-Cola Co	6 mos.	13,072,195	3.27	11,640,915	2.91
Coca-Cola International Corp	6 mos.	2,148,253	9.72	1,797,182	7.76
Eagle-Picher Lead Co	6 mos.	359,887	.38	*590,777	...
General Fireproofing Co	6 mos.	240,785	.75	120,785	.38
Goodrich (B.F.) Co	6 mos.	3,122,728	1.61	*209,551	...
Goodyear Tire & Rubber Co	6 mos.	3,610,595	.96	1,669,828	.02
Interchemical Corp	6 mos.	639,284	1.53	71,253	...
Link Belt Co	6 mos.	442,479	.50	382,352	.41
Mid-Continent Petroleum Corp	6 mos.	640,836	.34	1,042,575	.56
National Candy Co	6 mos.	203,000	.70	189,560	.63
National Oil Products Co	6 mos.	308,242	1.71	164,014	.95
Noranda Mines, Ltd	6 mos.	5,330,654	2.38	4,748,188	2.12
Pacific Tin Corp	6 mos.	63,000	.30	169,000	.81
Pennsylvania Salt Mfg. Co	Year	1,294,087	8.63	1,035,498	6.90
Phelps-Dodge Corp	6 mos.	4,601,038	.91	3,830,588	.76
Sharp & Dohme, Inc	6 mos.	370,428	...	201,532	...
Standard Oil Co. of Calif	6 mos.	7,117,604	.55	15,413,435	1.19
Sterling Products, Inc	6 mos.	6,310,053	3.10	4,723,455	2.77
Texas Gulf Producing Co	6 mos.	267,324	.30	364,583	.41
Union Bag & Paper Corp	6 mos.	232,365	.18	561,237	.53
Vulcan Corp	6 mos.	87,905	.21	42,015	...

* Deficit.

Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Six-hundred-fifty-seventh Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Aluminum Fluoarsenate

Insecticide

New insecticide (Brit. 499529) claimed to have following advantages—
- Availability for use in sprays in combination with lime-sulphur and bordeaux mixtures without the disadvantage of decomposition and injury to plants
- Equal to and in many cases superior to lead arsenate
- Good action against biting insects
- Harmless to plants because of low content of water-soluble arsenic and stability
- Very suitable physical properties

Aminonitro-2-cyclohexylphenol

Insecticide

As an insecticide (U.S. 2128195)

Beta-4-hydroxy-3-carboxyphenyloctane

Miscellaneous

Mildewproofing agent for—
- Various products, such as textiles, canvas, leather, paper, and the like

Betamethylumbelliferone

Analysis

Fluorescent indicator in—
- Analytical processes involving control and research in science and industry

Indicator for determination of—
- Acidity or alkalinity of strongly colored solutions which inhibit the use of visual indicators

5-Chlor-2-aminodiparatoluenesulphonylanilin

Dye

Reactant in—
- Dye syntheses

Starting point (Brit. 448592) in making—
- Orange-brown dyes with resorcinol and paraaminophenolsulphonic acid
- Brown chrome dyes with resorcinol and paraaminophenolsulphonic acid

Cuprous Amylxanthate

Insecticide and Fungicide

As a fungicide (U.S. 2150759)

3:3′-Diamino-4:4′-dihydroxyarsenobenzene

Pharmaceutical

Starting point (Brit. 451960) in making—
- Products claimed to have a high therapeutic ratio and to be neutral, stable, and water-soluble

1:3-Dichlor-5:5-dimethylhydantoin

Water and Santitation

Sterilizing agent (U.S. 2130805) for—
- Water

Dihydroxyfluoboric Acid

Chemical

Catalyst (Brit. 486783) in making—
- Alcohols from olefins
- Ethers from olefins

Diphenyliodonium Nitrate

Photographic

Preventer (Brit. 477628) of—
- Yellow spots and stains in developing processes (can be added to the emulsion, the developing agents, or the protective layer)

Diphenylurethanepiperidinepropanediol Hydrochloride

(Diothane)

Pharmaceutical

Claimed as new local anesthetic with following properties—
- 1 to 2 percent solutions have a pH of 5.2 to 5.8
- They are stable and do not decompose at the boiling point
- Gives a more powerful and longer anesthesia than cocaine in the cornea and the conjunctiva
- Does not affect the size of the pupil
- Is five to six times less toxic than cocaine
- Is slightly vasodilator (add adrenalin)
- Subcutaneous injection gives an anesthesia of thirty to forty minutes
- Induces a light local irritation, and slight depression

Grapeseed Oil

(Grape-Kernel Oil, Huile de Semences de Raisin, Weinbeeresamenoel, Weintraubesamenoel)

Chemical

Starting point in making—
- Grapeseed alcohol

Starting point (Brit. 445223) in making—
- Solvents (esters) with the following acids—

Abietic	Oleic
Acetic	Phosphoric
Adipic	Salicylic
Boric	Sebacic
Diacetic	Stearic
Formic	Sulphuric
Lauric	Tartaric

Cosmetic

Oil base in making—
- Cosmetic products

Fats and Oils

Vegetable oil said to offer following properties—
- Cold-pressed: Light color; pleasant odor; slightly sweet taste; not unlike olive oil
- Warm-pressed: Greenish to dark olive-green color; empyreumatic odor; unpleasant taste
- Extracted oil (after refining): Light yellow to delicate green color; pleasant nutty taste

Starting point in making—
- Fatty acids
- Hydrogenated products, such as buttersubstitutes, lard substitutes, synthetic fats, oleomargarin

Food

As a salad oil (best grades)

Ingredient of—
- Mayonnaises
- Salad dressings
- Salad oils

Starting point in making—
- Hydrogenated products, such as butter substitutes, lard substitutes, synthetic fats, oleomargarin

Paint and Varnish

Vehicle for—
- Paints, enamels, varnishes (admixture with tung oil is generally recommended)

Starting point in making—
- Stand oils
- Polymerized products

Soap

As a soapstock

Starting point in making—
- Hydrogenated materials

Hydrosilicofluoric Acid

Miscellaneous

Mothproofing agent (U.S. 2130435) in—
- Mothproofing-detergent compositions for wool, feathers, fur, hair, and the like

Isobutyl Acetate

Ceramic

Solvent in—
- Compositions, containing nitrocellulose, resins, and gums, used as coatings for protecting and decorating ceramic products

Cellulose Products

Solvent for—
- Nitrocellulose (its solvent action for this cellulose derivative is said to be susceptible to unusual activation with alcohols, such as isobutanol, and the proportion of such an alcohol may under some conditions be advantageously extended considerably beyond that customary in lacquer formulations)

Chemical

Medium-boiling solvent for—
- Gums
- Nitrocellulose
- Oils
- Resins
- Waxes

Solvent miscible with all common organic solvents

Cosmetic

Solvent in—
- Nail enamels and lacquers containing nitrocellulose as base material

Electrical

Solvent in—
- Insulating compositions, containing nitrocellulose, resins, and gums, used for covering wire and in making electrical machinery and equipment

Glass

Solvent in—
- Compositions, containing nitrocellulose, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware

Glue and Adhesives

Solvent in—
- Adhesive compositions containing nitrocellulose, resins, and gums

Gums

Solvent for—
- Gums

Leather

Solvent in—
- Compositions, containing nitrocellulose, resins, and gums, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods

Metal Fabrication

Solvent in—
- Coating compositions, containing nitrocellulose, resins, and gums, used for protecting and decorating metallic articles

Miscellaneous

Solvent in—
- Coating compositions, containing nitrocellulose, resins, and gums, used for protecting and decorating various products

Wax preparations of various kinds

Oils, Fats, and Waxes

Solvent for—
- Oils
- Waxes

Paint and Varnish

Medium-boiling solvent said to offer—
- An evaporation rate slow enough to prevent blushing at high relative humidities but sufficiently rapid that dry, hard, durable films can be obtained in the minimum time while still preserving all the desirable characteristics demanded in a superior finish

Solvent for—
- Gums
- Nitrocellulose
- Oils
- Resins
- Waxes

Solvent in—
- Paints, varnishes, lacquers, enamels, and dopes containing nitrocellulose, gums, oils, resins

Solvent miscible with all common organic solvents

Paper

Solvent in—
- Compositions, containing nitrocellulose, resins, and gums, used in the manufacture of coated papers and as coatings for protecting and decorating products made of paper or pulp

Photographic

Solvent in making—
- Films from nitrocellulose

Plastics

Solvent in making—
- Laminated fiber products
- Molded products
- Plastics from nitrocellulose, resins, and other materials

Resins

Solvent for—
- Resin-cellulose derivative compositions and solutions

Rubber

Solvent in—
- Compositions, containing nitrocellulose, resins, and gums, used as coatings for decorating and protecting rubber products

Stone

Solvent in—
- Coating compositions, containing nitrocellulose, resins, and gums, used for decorating and protecting artificial and natural stone

Textile

Solvent in—
- Compositions, containing nitrocellulose, resins, and gums, used in the manufacture of coated fabrics

Wood

Solvent in—
- Compositions, containing nitrocellulose, resins, and gums, used as protective and decorative coatings on woodwork
- Plastic compositions, containing nitrocellulose, resins, and gums, used for many filling and repairing purposes on wood

Terephthal-4-chloroalphanaphthylamide Chloride

Chemical

Intermediate (Brit. 489430) in making—
- Medicinal chemicals

Dye

Intermediate (Brit. 489430) in making—
- Synthetic dyestuffs

Textile

Assistant (Brit. 489430) in—
- Textile processing

Tin Naphthylate

Lubricant

Addition agent (Ger. 643508) for—
- Lubricants

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PAINT & CHEMICAL specialty plant located outside Newark, N. J., would like to contact manufacturers and jobbers desiring to reduce costs and insurance premiums on nitrocellulose solutions, lacquers, thinners, paint removers (noninflammable if desired). Equipped for custom cutting and to manufacture anything in solvent lines; cost plus basis. BOX 475, Oil, Paint and Drug Reporter.

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WANTED:—A salesman about 35 with fundamental knowledge of chemistry and successful selling record of pigments or chemicals to paint or rubber trade. Good opening with whiting manufacturer in middlewestern territory. BOX 478, Oil, Paint and Drug Reporter.

PRODUCTION MANAGER wanted for printing ink plant. Milling, mixing and mechanical maintenance experience essential. State experience, age and salary desired. BOX 490, Oil, Paint and Drug Reporter.

CHEMIST WANTED with ideas for new product to join with sales organization established over 15 years. Write full particulars. BOX 491, Oil, Paint and Drug Reporter.

Positions Wanted

PHARMACEUTICAL Production Chemist and Pharmacist, seven years experience in manufacturing, control, development, research and production. Excellent references. Available at once. BOX 476, Oil, Paint and Drug Reporter.

RESEARCH - DEVELOPMENT executive chemist—Man with imagination and ability to work. Can develop new products and new methods. Has made enough mistakes to now profit by them. Has done research, development and executive work in by-product recovery, oils and textiles. Has patents, publications and test methods. Desires a position where vision, horse sense and technical ability can be used and rewarded. BOX 483, Oil, Paint and Drug Reporter.

Positions Wanted

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2—Vallez Rotary Filters, 25 filter plates; about 450 sq. ft. of filtering surface.
1—Devine 3 ft. x 9 ft. Double Bronze Drum Rotary Vacuum Drum Dryer.
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12—Vacuum Shelf Dryers, all sizes.
1—W. & P. Vacuum Mixer, 100 gals.; other W. & P.'s 2-gals. to 2650 gals.
12—10 ft. x 30 ft. Vertical Closed Steel Storage Tanks, 18,000 gals.
1—1000 gal. Aluminum Storage Tank.
2—Devine 5 ft. x 30 ft. Rotary Vacuum Dryers.
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SHOPS 335 Doremus Ave., Newark, N.J.

Bids Wanted

Acetone:—250 gallons; Commanding Officer, Raritan Arsenal, N. J.; procurement 12, opening August 18.

Acid, Oxalic:—1,500 pounds; Quartermaster Supply Officer, Fort Mason, San Francisco; procurement 928-33, opening August 15.

Alcohol, Ethyl:—500,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 134, opening September 7. 27,000 wine gallons; Purchasing and Contracting Officer, Medical Section, Army Base, Brooklyn; procurement 10, opening September 5.

Aluminum:—12,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 143, opening September 6.

Asphalt:—9,000 pounds of waterproofing; Chief Clerk, Federal Correctional Institution, Sanstone, Minn.; procurement 23, opening August 16.

Benzene:—750 gallons; Commanding Officer, Raritan Arsenal, N. J.; procurement 12, opening August 18.

Calcium Hypochlorite:—6,750 pounds; Quartermaster Depot, Chicago; procurement 199-26, opening August 18.

Carbon Tetrachloride:—14,937 tons; Contracting Officer, Material Division, Wright Field, Dayton; procurement 65, opening August 21.

Drugs:—15 items of drugs and chemicals; Purchasing and Contracting Officer, Medical Section, Army Base, Brooklyn; procurement 11, opening August 22.

Enamel:—12,000 gallons of olive drab; Commanding Officer, Rock Island Arsenal, Ill.; procurement 77, opening August 16.

Ferro-Chromium:—10,000 pounds for Boston; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 6938, opening August 18.

Floor Covering Compound:—1,350 pounds; Chief, Purchasing Division, Washington; 20380-SP5, opening August 77.

Fertilizer:—2 tons; Chief of the Regional Service Operations Divisions, Soil Conservation Service, Department of Agriculture, Milwaukee; procurement R5-SCS-1384, opening August 15.

Glycerin:—800 gallons; Commanding Officer, Raritan Arsenal, N. J.; procurement 12, opening August 18.

Metal Surface Primer:—3,000 gallons; Commanding Officer, Rock Island, Ill.; procurement 77, opening August 18.

Oil, Creosote:—1,650 gallons, for CCC, Schenectady, N. Y.; procurement 5211-11, opening August 18.

Paraffin:—8,000 gallons; Commanding Officer, Rock Island Arsenal, Ill.; procurement 67, opening August 14.

Road:—60,000 gallons; U. S. Engineer Office, P. O. Box 60, Vicksburg, Miss.; procurement 20, opening August 17.

Paint:—Supplies of; Chief Clerk of the Federal Correctional Institution, Sandstone, Minn.; procurement 20, opening August 17.

5,000 gallons of olive drab; Commanding Officer, Raritan Arsenal, N. J.; procurement 14, opening August 21.

Rust Preventive:—2,000 pounds; Quartermaster Depot, 1819 Pershing road, Chicago; procurement 199-25, opening August 18.

Salt, Rock:—30 tons; Chief Clerk, Medical Center for Federal Prisoners, Springfield, Mo.; procurement 21, opening August 17.

Soap Powder:—14,400 pounds; Chief, Purchasing Division, Procurement Division, Washington; procurement 6394-S3, opening August 14.

Soda, Caustic: — 36,400 pounds; Quartermaster Supply Officer, Fort Mason, San Francisco; procurement 928-33, opening August 15.

Phosphate:—4,000 pounds; Quartermaster Supply Officer, Fort Mason; procurement 928-33, opening August 15.

Sal:—2,000 pounds; Quartermaster Supply Officer, Fort Mason, San Francisco; procurement 928-33, opening August 15.

Sponges:—15,500; Quartermaster Supply Officer, San Antonio General Depot, Fort Sam Houston, Tex.; procurement 503-34, opening August 16.

Oil Industry 25-Year Club Initial Meeting Hears Taylor

The first meeting of the Twenty-five Year Club of the oil industry was held on the roof of the petroleum industry exhibit at the New York World Fair, recently. Thomas H. Taylor, vice-president of Standard Oil Company of New Jersey, this city, and president of the exhibit, was the principal speaker at the luncheon meeting.

Mr. Taylor stressed the need for courage and spirit among individuals to supplement the technical perfection predicted for the world of tomorrow. Pointing to the progress made in the oil industry during the careers of the club members, he asserted that if the mechanical and scientific perfection evident at the Fair had the "brains and courage" of the oil men present to supplement it he would have no fear for the people of the world.

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adultered or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended August 9

Almonds, bitter, 50 bales; restricted use.
Balsam, 23 cases; restricted use.
Cassia oil, 15 drums; not USP.
Chamomile flowers, 20 cases; not N.F.
Cumin seed, 100 bags; filthy.
Medicinal proparations, 5 packages, new drug.
Medicinal preparations, 500 tubes; new drug; dangerous drug; false theapeutic claims.
Medicinal preparations, 3 cases; false therapeutic claims; contains undeclared chlorobutanol.

Baltimore

Week Ended August 9

Sesame seed, 80 bags; insect-infested.

Boston

Week Ended August 9

Medicinal preparation, 1 package; false and misleading statements.

Philadelphia

Week Ended August 9

Eyelash dye, 1 package; dangerous to health.
Medicinal preparation, 1 package; false therapeutic claims.

Eastman Kodak Company, Rochester, has filed a complaint against the Agfa Ansco Corporation, this city, in the Federal Court, New York, charging infringement of a patent covering a method for producing motion picture film.

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Trade Briefs

Peoples Drug Company, Washington, July sales totaled $1,813,775, against $1,721,658 in July last year.

Crown Drug Company, Baltimore, sales in July amounted to $681,906, compared with $714,372 in July last year.

Masury-Young Company, chartered under Massachusetts laws, with capital of $50,000 to manufacture and deal in turpentine, greases, sizes, soaps and disinfectants, has filed a certificate of statement and designation in the office of the Secretary of State to enable it to do business in New York.

United Sanitary Chemicals Company, maker and jobber of sanitary chemicals and janitors' supplies, 402 West Lombard street, Baltimore, has leased the first floor and basement of the adjacent building, at 400 West Lombard street, to provide space for an expansion of its facilities. Both structures have been renovated to make them suitable for the purposes of the corporation.

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